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.
18/330,972	06/07/2023	Yaron Brunner	066749-3925	6782

142078 7590 04/09/2024

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
04/09/2024	ELECTRONIC

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

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

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

IPAdmin@reinhartlaw.com

APPLICATION NO.	ISSUE DATE	PATENT NO.
18/330,972	09-Apr-2024	11952167

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

EGRANT NOTIFICATION

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

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/330,972	04/09/2024	11952167	066749-3925	6782

142078 7590 03/20/2024

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

ISSUE NOTIFICATION

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

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

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

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

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

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

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

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

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

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

Milwaukee Electric Tool Corporation, Brookfield, WI;
Keter Plastic LTD., Herzelyia, ISRAEL;

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

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

PTO/SB/08 (09-06)
Approved for use through 03/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: June 7, 2023

(use as many sheets as necessary)

Sheet | 13 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A380	D437,484	02-13-2001	Tiramani et al.	
	A381	D437,669	02-13-2001	BLASON et al.	
	A382	D456,972	05-07-2002	BLASON et al.	
	A383	D525,789	08-01-2006	Hosking	
	A384	D527,225	08-29-2006	Krieger et al.	
	A385	D536,580	02-13-2007	Krieger et al.	
	A386	D630,851	01-18-2011	Landau et al.	
	A387	D649,350	11-29-2011	Shitrit	
	A388	D649,783	12-06-2011	Brunner	
	A389	D653,832	02-07-2012	Vilkomirski et al.	
	A390	D661,858	06-12-2012	Lifshitz et al.	
	A391	D663,952	07-24-2012	CREVLING et al.	
	A392	D664,354	07-31-2012	CREVLING et al.	
	A393	D668,869	10-16-2012	Yamamoto et al.	
	A394	D674,605	01-22-2013	Vilkomirski et al.	
	A395	D701,696	04-01-2014	Shitrit et al.	
	A396	D738,105	09-08-2015	Shitrit	
	A397	D738,106	09-08-2015	Shitrit	
	A398	D738,622	09-15-2015	Sabbag et al.	
	A399	D753,394	04-12-2016	Brunner	
	A400	D753,395	04-12-2016	Brunner	
	A401	D753,396	04-12-2016	Brunner	
	A402	D753,982	04-19-2016	Guirlinger	
	A403	D765,974	09-13-2016	Tonelli et al.	
	A404	D770,179	11-01-2016	Menirom	
	A405	D777,426	01-31-2017	Dahl	
	A406	D784,089	04-18-2017	Furneaux et al.	
	A407	D790,221	06-27-2017	Yahav et al.	
	A408	D803,631	~~11-28-20017~~ 11-2017	Min et al.	
	A409	D806,483	01-02-2018	Stanford et al.	
	A410	D814,187	04-03-2018	Caglar	
	A411	D815,831	04-24-2018	Tonelli	

Change(s) applied to document, /J.G./ 3/7/2024

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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**	To be determined
Date Submitted: June 7, 2023				**Filing Date**	June 7, 2023
				First Named Inventor	Yaron Brunner
(use as many sheets as necessary)				Art Unit	To be determined
				Examiner Name	To be determined
Sheet	9	of	22	Attorney Docket Number	066749-3925

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
	A255	2010/0052276	03-04-2010	Brunner	
	A256	2010/0139566	06-10-2010	Lopuszanski, Michel	
	A257	2010/0147642	06-17-2010	Andochick; Scott E.	
	A258	2010/0176261	07-15-2010	Chen et al.	
	A259	2010/0219193	09-02-2010	Becklin	
	A260	2010/0224528	09-09-2010	Madsen	
	A261	2010/0254757	10-07-2010	Saul	
	A262	2011/0049824	03-03-2011	Bar-Erez et al.	
	A263	2011/0073516	03-31-2011	Zelinskiy; Konstantin	
	A264	2011/0127736	06-02-2011	Oliver	
	A265	2011/0139665	06-16-2011	Madsen	
	A266	2011/0139777	06-16-2011	Sosnovsky et al.	
	A267	2011/0155613	06-30-2011	Koenig, Andreas et al.	
	A268	2011/0181008	07-28-2011	BENSMAN;MARK	
	A269	2011/0220531	09-15-2011	Meether et al.	
Change(s) applied to document, /K.D.D/ 3/7/2024	A270	2011/174939	07-21-~~2013~~ 2011	~~Parts Express International Inc.~~ Taylor	
	A271	2012/0073995	03-29-2012	Parker	
	A272	2012/0074022	03-29-2012	McTavish et al.	
	A273	2012/0074158	03-29-2012	Lafleur	
	A274	2012/0080432	04-05-2012	Bensman et al.	
	A275	2012/0152944	06-21-2012	Vilkomirski et al.	
	A276	2012/0160886	06-28-2012	Henny Paul et al.	
	A277	2012/0180250	07-19-2012	~~KAERCHER GMBH AND CO ALFRED KG~~	Ricklefsen et al.
	A278	2012/0207571	08-16-2012	Scott, Charles Shay	
	A279	2012/0292213	11-22-2012	Brunner	
	A280	2012/0326406	12-27-2012	LIFSHITZ; Omri	
	A281	2013/0024468	01-24-2013	Kocsis, Susan C.	
	A282	2013/0031731	02-07-2013	~~KAERCHER GMBH AND CO ALFRED KG~~	Hess
	A283	2013/0031732	02-07-2013	~~KAERCHER GMBH AND CO ALFRED KG~~	Hess et al.
	A284	2013/0068903	03-21-2013	~~Poorless Ind Inc.~~	O'Keene

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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**	To be determined
Date Submitted: June 7, 2023				**Filing Date**	June 7, 2023
				First Named Inventor	Yaron Brunner
(use as many sheets as necessary)				Art Unit	To be determined
				Examiner Name	To be determined
Sheet	10	of	22	Attorney Docket Number	066749-3925

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
	A285	2013/0121783	05-16-2013	Kelly; Thomas P.	
	A286	2013/0127129	05-23-2013	Bensman, Mark et al.	
Change(s) applied to document, /J.G./ 3/7/2024	A287	2013/0146551	06-13-2013	~~Electrolux Home Prod Inc.~~	Simpson et al.
	A288	2013/0154218	06-20-2013	TIILIKAINEN	
	A289	2013/0206139	08-15-2013	Krepel et al.	
	A290	2013/0223971	08-29-2013	Grace IV, Robert W.	
	A291	2014/0062042	03-06-2014	Wagner et al.	
	A292	2014/0069832	03-13-2014	Roehm	
	A293	2014/0076759	03-20-2014	ROEHM et al.	
	A294	2014/0123478	05-08-2014	Gylander et al.	
	A295	2014/0161518	06-12-2014	KO	
	A296	2014/0166516	06-19-2014	Martinez; Mark R.	
	A297	2014/0197059	07-17-2014	Evans et al.	
	A298	2015/0014949	01-15-2015	Dittman	
	A299	2015/0034515	02-05-2015	Monyak et al.	
	A300	2015/0151427	06-04-2015	Ben-Gigi	
	A301	2015/0274362	10-01-2015	CHRISTOPHER et al.	
	A302	2015/0310842	10-29-2015	Coburn et al.	
	A303	2015/0376917	12-31-2015	Brunner	
	A304	2016/0023349	01-28-2016	~~Milwaukee Electric Tool~~ Corporation	Hoppe et al.
	A305	2016/0130034	05-12-2016	Kuhls; Timo	
	A306	2016/0144500	05-26-2016	CHEN; KUN-CHEN	
	A307	2016/0168880	06-16-2016	Phelan; Matthew	
	A308	2016/0213115	07-28-2016	Gonitianer et al.	
	A309	2016/0221177	08-04-2016	Reinhart	
	A310	2017/0121056	05-04-2017	Wang; Tzu-Chien	
	A311	2017/0138382	05-18-2017	Ko	
	A312	2017/0158216	06-08-2017	Yahav et al.	
	A313	2017/0165828	06-15-2017	~~Festool GmbH~~	Fleischmann
	A314	2017/0166352	06-15-2017	Hoppe; Christopher S.	
	A315	2017/0174392	06-22-2017	De Loynes	

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: June 7, 2023

(use as many sheets as necessary)

Sheet | 8 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A223	2006/0186624	08-24-2006	Kady, Darren	
	A224	2006/0254946	11-16-2006	Becklin	
	A225	2007/0006542	01-11-2007	Duke	
	A226	2007/0045505	03-01-2007	Chen	
	A227	2007/0068757	03-29-2007	Tan	
	A228	2007/0090616	04-26-2007	Tompkins	
	A229	2007/0138041	06-21-2007	Welsh	
	A230	2007/0145700	06-28-2007	Ambrose et al.	
	A231	2007/0194543	08-23-2007	Duvigneau	
	A232	2007/0273114	11-29-2007	Katz	
	A233	2008/0060953	03-13-2008	Ghassan	
	A234	2008/0104921	05-08-2008	Pervan; Darko	
	A235	2008/0115312	05-22-2008	DiPasquale et al.	
	A236	2008/0121547	05-29-2008	Dur et al.	
	A237	2008/0134607	06-12-2008	Pervan; Darko	
	A238	2008/0169667	07-17-2008	Siniarski et al.	
	A239	2008/0169739	07-17-2008	Goldenberg; Ruth	
	A240	2008/0271280	11-06-2008	FUCHS FRANK et al.	
	A241	2008/0277221	11-13-2008	Josefson; Mark L.	
	A242	2008/0280523	11-13-2008	Bishop	
	A243	2008/0296443	12-04-2008	Lunitz et al.	
	A244	2008/0308369	12-18-2008	Louis; Robert D.	
	A245	2009/0026901	01-29-2009	Nies, III et al.	
	A246	2009/0044827	02-19-2009	Zilber et al.	
	A247	2009/0071990	03-19-2009	Jardine et al.	
	A248	2009/0127146	05-21-2009	Krebs et al.	
	A249	2009/0145790	06-11-2009	Panosian; Michael Harmik	
	A250	2009/0145866	06-11-2009	Panosian et al.	
	A251	2009/0145913	06-11-2009	Panosian et al.	
	A252	2009/0178946	07-16-2009	Patstone et al.	
	A253	2009/0236482	09-24-2009	~~SS3 Storage Systems LLC~~	Winig et al.
	A254	2009/0288970	11-26-2009	Katz et al.	

Change(s) applied to document.
/J.G./
3/7/2024

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: June 7, 2023

(use as many sheets as necessary)

Sheet 5 of 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A127	8,028,845	10-04-2011	Himes	
	A128	8,132,819	03-13-2012	Landau; Eitan	
	A129	8,177,463	05-15-2012	Walker; Peter J	
	A130	8,191,910	06-05-2012	Landau et al.	
	A131	8,292,244	10-23-2012	Okada	
	A132	8,448,829	05-28-2013	Watanabe	
	A133	8,454,033	06-04-2013	Tsai	
	A134	8,459,495	06-11-2013	Koenig; Andreas	
	A135	8,505,729	08-13-2013	Sosnovsky et al.	
	A136	8,567,796	10-29-2013	Bar-Erez et al.	
	A137	8,590,704	11-26-2013	Koenig et al.	
	A138	8,602,217	12-10-2013	Sosnovsky et al.	
	A139	8,640,913	02-04-2014	Berendes	
	A140	8,657,307	02-25-2014	Lifshitz	
	A141	8,677,661	03-25-2014	Michels; Markus	
	A142	8,689,396	04-08-2014	Melvin E. Wolfe	
	A143	8,714,355	05-06-2014	Huang	
	A144	8,813,960	08-26-2014	Fjelland; Douglas J.	
	A145	8,851,282	10-07-2014	Brunner	
	A146	8,875,888	11-04-2014	Koenig; Andreas	
	A147	8,894,160	11-25-2014	Christensen	
	A148	8,925,752	01-06-2015	Smith	
	A149	8,974,139	03-10-2015	Saul	
	A150	8,979,100	03-17-2015	Bensman et al.	
	A151	8,985,922	03-24-2015	Neumann	
	A152	9,132,543	09-15-2015	Bar-Erez; Sharon	
	A153	9,506,489	11-29-2016	Ko	
	A154	9,511,491	12-06-2016	Brunner	
	A155	9,551,367	01-24-2017	Shieh	
	A156	9,566,990	02-14-2017	Bar-Erez; Sharon	
	A157	9,616,562	04-11-2017	Hoppe; Christopher S.	
	A158	9,643,629	05-09-2017	~~The Stanley Works Israel Ltd.~~	Bar-Erez et al.

Change(s) applied to document;
/J.G./
3/7/2024

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: June 7, 2023

(use as many sheets as necessary)

Sheet 2 of 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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	3,999,818	12-28-1976	Schankler	
	A32	4,122,925	10-31-1978	Schultheiss	
	A33	4,168,076	09-18-1979	Johnson	
	A34	4,243,279	01-06-1981	Ackeret	
	A35	4,303,367	12-01-1981	Bott	
	A36	4,564,732	01-14-1986	Lancaster et al.	
	A37	4,660,725	04-28-1987	Fishman et al.	
	A38	4,673,070	06-16-1987	Ambal	
	A39	4,735,107	04-05-1988	Winkie	
	A40	4,805,859	02-21-1989	Hudson	
	A41	4,817,237	04-04-1989	Murphy	
	A42	4,929,973	05-29-1990	Nakatani	
	A43	4,971,201	11-20-1990	Sathre	
	A44	5,035,389	07-30-1991	Wang	
	A45	5,035,445	07-30-1991	Poulin	
	A46	5,098,235	03-24-1992	Svetlik et al.	
	A47	5,105,947	04-21-1992	Wise, Thomas W.	
	A48	5,154,291	10-13-1992	Sur	
	A49	5,240,264	08-31-1993	Williams	
	A50	5,282,554	02-01-1994	Thomas	
	A51	5,301,829	04-12-1994	Chrisco	
	A52	5,325,966	07-05-1994	Chang	
	A53	5,356,038	10-18-1994	Banks	
	A54	5,356,105	10-18-1994	Andrews	
	A55	5,375,709	12-27-1994	Petro	
	A56	5,429,235	07-04-1995	Chen	
	A57	5,429,260	07-041995	Vollers; Gary L.	
	A58	5,433,416	07-18-1995	Johnson	
	A59	5,454,634	10-03-1995	Herbst et al.	
	A60	5,538,213	07-23-1996	~~Brown Office Systems Inc.~~	Brown
	A61	5,595,228	01-21-1997	Meisner et al.	
	A62	5,608,603	03-04-1997	Su	

Change(s) applied to document, /J.G./ 3/7/2024

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

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

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/330,972	**03/01/2024 02:59:16 PM Z ET**	**066749-3925**

Title of Invention

Utility Assembly and Coupling Mechanism

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6782	FILED BY	Sarah Sesterhenn-Lee
PATENT CENTER #	64517842	FILING DATE	06/07/2023
CUSTOMER #	142078	FIRST NAMED INVENTOR	Yaron Brunner
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Derek Campbell

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
066749-3925-Issue_Fee_Transmittal.pdf	2	Transmittal Letter	90 KB
066749-3925_PTOL.pdf	1	Issue Fee Payment (PTO-85B)	272 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
066749-3925-Issue_Fee_Transmittal.pdf	15618F23E31A3D50F935A971B1559F35D691FAB258B01355638C5195AD9B6683562D8179E1E35DCCD4EBCEFF2F031CCA25F01BBBD48E0FA98A2E598209D7F2BF
066749-3925_PTOL.pdf	814CD1D9A2A493373F71E0C111D7D6C6D1390230EA101FE84BDACCE77A2A7ED3730A164F646D2FFE389859D526C3727C3

900BB1009D81954BFCD483B80882DC6

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES
PATENT AND TRADEMARK OFFICE

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

ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/330,972	**03/01/2024 02:59:16 PM Z ET**	**066749-3925**

Title of Invention

Utility Assembly and Coupling Mechanism

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6782	FILED BY	Sarah Sesterhenn-Lee
PATENT CENTER #	64517842	AUTHORIZED BY	Derek Campbell
CUSTOMER #	142078	FILING DATE	06/07/2023
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Yaron Brunner

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
DA / 180882	**E202431F00058268**	**Sarah Sesterhenn-Lee**

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

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

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

New Applications Under 35 U.S.C. 111

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

Receipt will establish the filing date of the application

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

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

New International Application Filed with the USPTO as a Receiving Office

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation et al.
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	18/330,972
Filing Date:	June 7, 2023
Examiner:	GIDEON R WEINERTH
Art Unit:	3736
Confirmation No.:	6782

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 March 1, 2024, 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.

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 March 1, 2024.

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 March 1, 2024

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

PART B - FEE(S) TRANSMITTAL

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

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

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

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

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

142078 7590 03/01/2024

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 the USPTO patent electronic filing system or by facsimile to (571) 273-2885, on the date below.

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/330,972	06/07/2023	Yaron Brunner	066749-3925	6782

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	06/03/2024

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

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

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

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

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

1 Reinhart Boerner Van Deuren s.c.
2
3

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

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

(A) NAME OF ASSIGNEE	(B) RESIDENCE: (CITY and STATE OR COUNTRY)
Milwaukee Electric Tool Corporation	Brookfield, Wisconsin
Keter Plastic LTD.	Herzelyia, Israel

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

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

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

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

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

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

❑ Applicant certifying micro entity status. See 37 CFR 1.29

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

❑ Applicant asserting small entity status. See 37 CFR 1.27

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

❑ Applicant changing to regular undiscounted fee status.

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

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

Authorized Signature /Derek H. Campbell/ Date March 1, 2024

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

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 03/01/2024

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: 03/01/2024

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/330,972	06/07/2023	Yaron Brunner	066749-3925	6782

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	06/03/2024

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

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

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

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

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

PART B - FEE(S) TRANSMITTAL

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

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

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

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

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

142078 7590 03/01/2024

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 the USPTO patent electronic filing system or by facsimile to (571) 273-2885, on the date below.

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/330,972	06/07/2023	Yaron Brunner	066749-3925	6782

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	06/03/2024

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

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

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

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

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

1 _____
2 _____
3 _____

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

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

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

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

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

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

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

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

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

❑ Applicant certifying micro entity status. See 37 CFR 1.29

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

❑ Applicant asserting small entity status. See 37 CFR 1.27

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

❑ Applicant changing to regular undiscounted fee status.

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

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

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

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.
18/330,972	06/07/2023	Yaron Brunner	066749-3925	6782

142078 7590 03/01/2024

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: 03/01/2024

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(Applications filed on or after May 29, 2000)

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

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

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

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

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

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

Privacy Act Statement

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

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

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

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

Notice of Allowability	Application No. 18/330,972	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 1/25/2024.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

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

3. ☑ The allowed claim(s) is/are 21-32 and 34-37 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information , please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

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

   Certified copies:

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

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

   * Certified copies not received: _____ .

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

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

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

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

Attachment(s)

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

/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 December 22, 2023 overcome the prior art of record in conjunction with the Terminal Disclaimer filed on 10/24/2023.

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. 18/330,972	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 YYYY-MM-DD	Name	CPC Classification	US Classification
*	A	US-10138917-B2	2018-11-27	Koch; Jon Russell	F16B5/01	1/1
*	B	US-20230115200-A1	2023-04-13	Barton; George	B62B1/208	280/655
*	C	US-20230150725-A1	2023-05-18	BARON; Yaron	B65D21/023	206/509
*	D	US-20230234211-A1	2023-07-27	Adams; Caleb C.	B65D51/00	312/330.1
*	E	US-11840269-B2	2023-12-12	Brunner; Yaron	B62B1/002	1/1
*	F	US-20230411975-A1	2023-12-21	Roberts; Veronica	H02J7/0042	1/1
*	G	US-20240010390-A1	2024-01-11	Braun; Christian R.	B65D21/083	1/1
*	H	US-20240034378-A1	2024-02-01	Squiers; Grant T.	B62B3/02	1/1
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/330,972	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)	16	
/GIDEON R WEINERTH/ Examiner, Art Unit 3736	12 February 2024	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	21	1B &1C

U.S. Patent and Trademark Office — Part of Paper No.: 20240212

Klein Tools Ex. 1002, Page 26 of 503

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/330,972	Brunner et al.
	Examiner	**Art Unit**
	GIDEON R WEINERTH	3736

INTERNATIONAL CLASSIFICATION				
CLAIMED				
B65D	/	21	/	02
B65D	/	21	/	028
A45C	/	13	/	02
B25H	/	3	/	02
A45C	/	7	/	00
A45F	/	3	/	10
B62B	/	1	/	14

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
220	4.27

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

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 16	
/GIDEON R WEINERTH/ Examiner, Art Unit 3736 (Primary Examiner)	12 February 2024 (Date)	O.G. Print Claim(s) 21	O.G. Print Figure 1B &1C

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/330,972	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	21	10	30												
2	22	11	31												
3	23	12	32												
4	24		33												
5	25	15	34												
6	26	16	35												
7	27	13	36												
8	28	14	37												
9	29														

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	16	
/GIDEON R WEINERTH/ Examiner, Art Unit 3736	12 February 2024	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	21	1B &1C

U.S. Patent and Trademark Office

Part of Paper No.: 20240212

Klein Tools Ex. 1002, Page 28 of 503

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/330,972	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

CPC - Searched*		
Symbol	**Date**	**Examiner**
A45C5/14	08/08/2023	GW
A45C7/005,0045	08/08/2023	GW
A45C13/02	08/08/2023	GW
A45F3/10	08/08/2023	GW
B25H1/04	08/08/2023	GW
B25H3/02,021,023	08/08/2023	GW
B62B1/14	08/08/2023	GW
B62B5/067	08/08/2023	GW
B65D21/0223,0209,0228	08/08/2023	GW
B65D2255/00	08/08/2023	GW
B65H2701/533	08/08/2023	GW
update search, IDS search	11/22/2023	GW
Update search, inventor search	02/12/2024	GW

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

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
220	4.27	08/08/2023	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

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/330,972	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

Search Notes		
Search Notes	**Date**	**Examiner**
IDS search, inventor search, update prior application searches	08/08/2023	GW
Inventor, assignee search, IDS re-consideration, update search	02/12/2024	GW

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**
220	4.27	02/12/2024	GW
A45C5	14	02/12/2024	GW
A45C7	005,0045	02/12/2024	GW
A45C13	02	02/12/2024	GW
A45F3	10	02/12/2024	GW
B25H1	04	02/12/2024	GW
B25H3	02,021,023	02/12/2024	GW
B62B1	14	02/12/2024	GW
B62B5	067	02/12/2024	GW
B65D21	0223,0209,0228	02/12/2024	GW
B65D2255	00	02/12/2024	GW
B65H2701	533	02/12/2024	GW

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

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/330,972	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	08/09/2023	11/23/2023	02/12/2024						
	21	✓	✓	=						
	22	✓	✓	=						
	23	✓	✓	=						
	24	✓	✓	=						
	25	✓	✓	=						
	26	✓	✓	=						
	27	✓	✓	=						
	28	✓	✓	=						
	29	✓	✓	=						
	30	✓	✓	=						
	31	✓	✓	=						
	32	✓	✓	=						
	33	✓	✓	-						
	34	✓	✓	=						
	35	✓	✓	=						
	36		✓	=						
	37		✓	=						

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	1656	((("Milwaukee") near3 ("Electric") near3 ("Tool") near3 ("Corporation"))).AS,AANM.	(USPAT)	OR	ON	ON	2023/08/08 04:38 PM
L2	226	((("Keter") near3 ("Plastic") near3 ("LTD"))).AS,AANM.	(USPAT)	OR	ON	ON	2023/08/08 04:39 PM
L3	117	((("Squiers") near3 ("Grant") near3 ("T"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:39 PM
L4	157	((("Hoppe") near3 ("Christopher") near3 ("S"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:40 PM
L5	246	((("Hyma") near3 ("Steven") near3 ("W"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:40 PM
L6	572	220/4.27.ccls.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:41 PM
L7	1367	B65D21/0223,0209,0228.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:41 PM
L8	2562	A45C5/14.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:41 PM
L9	138	A45C7/005.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:42 PM
L10	3899	A45C13/02.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:42 PM
L11	510	A45F3/10.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:42 PM
L12	1063	B25H1/04.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:42 PM
L13	1616	B25H3/02,021.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:42 PM
L14	1249	B62B1/14.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:43 PM
L15	459	A45C7/0045.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:43 PM
L16	516	B25H3/023.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:43 PM
L17	1197	B62B5/067.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:43 PM
L18	76	B65D2255/00.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:43 PM
L19	236	B65H2701/533.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:43 PM
L20	4	(US-11124347-$ | US-	(US-PGPUB; USPAT;	OR	ON	ON	2023/08/08

		11253037-$ | US-11612998-$ | US-9089964-$).DID.	USOCR)				04:45 PM
L21	16	("3025995" | "4524494" | "4635326" | "6368694" | "7264863" | "8376166" | "8690471" | "8844719" | "10219595" | "20030038054" | "20060264076" | "20070138041" | "20070251855" | "20120160733" | "20130032506").pn. OR ("11124347").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:46 PM
L22	12	("3025995").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:46 PM
L23	813	(US-0000440-$ | US-0001482-$ | US-0002004-$ | US-0006542-$ | US-0006770-$ | US-0014949-$ | US-0015928-$ | US-0023349-$ | US-0024468-$ | US-0025706-$ | US-0026901-$ | US-0027343-$ | US-0027475-$ | US-0029543-$ | US-0030425-$ | US-0031222-$ | US-0031731-$ | US-0031732-$ | US-0031975-$ | US-0034515-$ | US-0036215-$ | US-0038367-$ | US-0039781-$ | US-0039831-$ | US-0044059-$ | US-0044827-$ | US-0045505-$ | US-0049824-$ | US-0052276-$ | US-0055534-$ | US-0060953-$ | US-0062042-$ | US-0062244-$ | US-0068757-$ | US-0068903-$ | US-0069832-$ | US-0071990-$ | US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:50 PM

		0073516-$ | US- 0073995-$ | US- 0074022-$ | US- 0074158-$ | US- 0074725-$ | US- 0075468-$ | US- 0076261-$ | US- 0076759-$ | US- 0078929-$ | US- 0080432-$ | US- 0090616-$ | US- 0094392-$ | US- 0094393-$ | US- 0094600-$ | US- 0099405-$ | US- 0103494-$ | US- 0104308-$ | US- 0104909-$ | US- 0104914-$ | US- 0104921-$ | US- 0106244-$ | US- 0115312-$ | US- 0115715-$ | US- 0117393-$ | US- 0119060-$ | US- 0121056-$ | US- 0121547-$ | US- 0121783-$ | US- 0123478-$ | US- 0125072-$ | US- 0127007-$ | US- 0127129-$ | US- 0127146-$ | US- 0127736-$ | US- 0130034-$ | US- 0134607-$ | US- 0138041-$ | US- 0138382-$ | US- 0139566-$ | US- 0139665-$ | US- 0139745-$ | US- 0139777-$ | US- 0144500-$ | US- 0145700-$ | US- 0145790-$ | US- 0145866-$ | US- 0145913-$ | US- 0146551-$ | US- 0146589-$ | US- 0147642-$ | US- 0147781-$ | US- 0149754-$ | US- 0151427-$ | US- 0152944-$ | US- 0153312-$ | US- 0154218-$ | US- 0154824-$ | US- 0155373-$ | US-					

		0155613-$ | US- 0158216-$ | US- 0160886-$ | US- 0161518-$ | US- 0161975-$ | US- 0165036-$ | US- 0165482-$ | US- 0165828-$ | US- 0166352-$ | US- 0166516-$ | US- 0168376-$ | US- 0168880-$ | US- 0169667-$ | US- 0169739-$ | US- 0171228-$ | US- 0174392-$ | US- 0176261-$ | US- 0178946-$ | US- 0180250-$ | US- 0181008-$ | US- 0184034-$ | US- 0186513-$ | US- 0186624-$ | US- 0187725-$ | US- 0194543-$ | US- 0195793-$ | US- 0197059-$ | US- 0205877-$ | US- 0206139-$ | US- 0206656-$ | US- 0207571-$ | US- 0213115-$ | US- 0213934-$ | US- 0217464-$ | US- 0219193-$ | US- 0220531-$ | US- 0220758-$ | US- 0221177-$ | US- 0221561-$ | US- 0223585-$ | US- 0223971-$ | US- 0224528-$ | US- 0225371-$ | US- 0229889-$ | US- 0236482-$ | US- 0239808-$ | US- 0240671-$ | US- 0242144-$ | US- 0243925-$ | US- 0254757-$ | US- 0254946-$ | US- 0256529-$ | US- 0257958-$ | US- 0258324-$ | US- 0266804-$ | US- 0267368-$ | US- 0271280-$ | US- 0271616-$ | US-					

		0273114-$ | US- 0274362-$ | US- 0277221-$ | US- 0280523-$ | US- 0288970-$ | US- 0290288-$ | US- 0292213-$ | US- 0296443-$ | US- 0299027-$ | US- 0308369-$ | US- 0310842-$ | US- 0316909-$ | US- 0318927-$ | US- 0320243-$ | US- 0326406-$ | US- 0346819-$ | US- 0349013-$ | US- 0360803-$ | US- 0369781-$ | US- 0376917-$ | US- 0383507-$ | US- 0402113-$ | US- 1081378-$ | US- 1084360-$ | US- 10017134-$ | US- 10106180-$ | US- 10222172-$ | US- 10406387-$ | US- 10434638-$ | US- 10583962-$ | US- 10603783-$ | US- 10703534-$ | US- 10750833-$ | US- 10758065-$ | US- 10793172-$ | US- 10829269-$ | US- 10894314-$ | US- 10933501-$ | US- 10962218-$ | US- 10981696-$ | US- 11008136-$ | US- 11027883-$).DID. (US- 11059631-$ | US- 11066089-$ | US- 11155382-$ | US- 11230410-$ | US- 11338959-$ | US- 11385055-$ | US- 11426859-$ | US- 11464335-$ | US- 11510486-$ | US- 11529985-$ | US- 11554898-$ | US- 2042387-$ | US- 2103106-$ | US- 2124541-$ | US- 2210235-$ | US- 2372845-$ | US-						

		2386343-$ | US- 2480200-$ | US- 2588009-$ | US- 2733076-$ | US- 2939613-$ | US- 2970358-$ | US- 20020000440-$ | US- 20020030425-$ | US- 20020125072-$ | US- 20020171228-$ | US- 20030075468-$ | US- 20030094392-$ | US- 20030094393-$ | US- 20030115715-$ | US- 20030146589-$ | US- 20030184034-$ | US- 20030205877-$ | US- 20040074725-$ | US- 20040103494-$ | US- 20040149754-$ | US- 20040195793-$ | US- 20040206656-$ | US- 20040256529-$ | US- 20050015928-$ | US- 20050062244-$ | US- 20050104308-$ | US- 20050139745-$ | US- 20050242144-$ | US- 20060006770-$ | US- 20060027475-$ | US- 20060038367-$ | US- 20060076261-$ | US- 20060119060-$ | US- 20060165482-$ | US- 20060186624-$ | US- 20060254946-$ | US- 20070006542-$ | US- 20070045505-$ | US- 20070068757-$ | US- 20070090616-$ | US- 20070138041-$ | US- 20070145700-$ | US- 20070194543-$ | US- 20070273114-$ | US- 20080060953-$ | US- 20080104921-$ | US- 20080115312-$ | US- 20080121547-$ | US- 20080134607-$ | US- 20080169667-$ | US- 20080169739-$ | US- 20080271280-$ | US- 20080277221-$ | US- 20080280523-$ | US- 20080296443-$ | US- 20080308369-$ | US- 20090026901-$ | US- 20090044827-$ | US-					

		20090071990-$ | US- 20090127146-$ | US- 20090145790-$ | US- 20090145866-$ | US- 20090145913-$ | US- 20090178946-$ | US- 20090236482-$ | US- 20090288970-$ | US- 20100052276-$ | US- 20100139566-$ | US- 20100147642-$ | US- 20100176261-$ | US- 20100219193-$ | US- 20100224528-$ | US- 20100254757-$ | US- 20110049824-$ | US- 20110073516-$ | US- 20110127736-$ | US- 20110139665-$ | US- 20110139777-$ | US- 20110155613-$ | US- 20110181008-$ | US- 20110220531-$ | US- 20120073995-$ | US- 20120074022-$ | US- 20120074158-$ | US- 20120080432-$ | US- 20120152944-$ | US- 20120160886-$ | US- 20120180250-$ | US- 20120207571-$ | US- 20120292213-$ | US- 20120326406-$ | US- 20130024468-$ | US- 20130031731-$ | US- 20130031732-$ | US- 20130068903-$ | US- 20130121783-$ | US- 20130127129-$ | US- 20130146551-$ | US- 20130154218-$ | US- 20130206139-$ | US- 20130223971-$ | US- 20140062042-$ | US- 20140069832-$ | US- 20140076759-$ | US- 20140123478-$ | US- 20140161518-$ | US- 20140166516-$ | US- 20140197059-$ | US- 20140000-$ | US- 20150014949-$ | US- 20150034515-$ | US- 20150151427-$ | US- 20150274362-$ | US- 20150310842-$ | US- 20150376917-$ | US- 20160023349-$ | US-					

		20160130034-$ | US- 20160144500-$ | US- 20160168880-$ | US- 20160213115-$ | US- 20160221177-$ | US- 20170121056-$ | US- 20170138382-$ | US- 20170158216-$ | US- 20170165828-$ | US- 20170166352-$ | US- 20170174392-$ | US- 20170217464-$ | US- 20170239808-$ | US- 20170257958-$ | US- 20170266804-$ | US- 20170318927-$ | US- 20170349013-$ | US- 20180044059-$ | US- 20180099405-$ | US- 20180127007-$ | US- 20180153312-$ | US- 20180161975-$ | US- 20180186513-$ | US- 20180213934-$ | US- 20180220758-$ | US- 20180229889-$ | US- 20180290288-$).DID. (US-20190001482-$ | US-20190002004-$ | US-20190031222-$ | US-20190039781-$ | US-20190106244-$ | US-20190168376-$ | US-20190225371-$ | US-20200029543-$ | US-20200055534-$ | US-20200078929-$ | US-20200147781-$ | US-20200165036-$ | US-20200223585-$ | US-20200243925-$ | US-20200299027-$ | US-20200346819-$ | US-20200383507-$ | US-20210025706-$ | US-20210031975-$ | US-20210039831-$ | US-20210094600-$ | US-20210104909-$ | US-20210104914-$ | US-20210154824-$ | US-20210155373-$ | US-20210187725-$ | US-20210221561-$ | US-20210267368-$ | US-20210316909-$ | US-20210360803-$ | US-20220117393-$ |					

		US-20220240671-$ | US-20220258324-$ | US-20220369781-$ | US-20220402113-$ | US-20230027343-$ | US-20230036215-$ | US-3117692-$ | US-3225865-$ | US-3370236-$ | US-3423786-$ | US-3424334-$ | US-3506321-$ | US-3514170-$ | US-3552817-$ | US-3567298-$ | US-3685866-$ | US-3748372-$ | US-3835623-$ | US-3851936-$ | US-3935613-$ | US-3974898-$ | US-3999818-$ | US-4122925-$ | US-4168076-$ | US-4243279-$ | US-4303367-$ | US-4564732-$ | US-4660725-$ | US-4673070-$ | US-4735107-$ | US-4805859-$ | US-4817237-$ | US-4929973-$ | US-4971201-$ | US-5035389-$ | US-5035445-$ | US-5098235-$ | US-5105947-$ | US-5154291-$ | US-5240264-$ | US-5282554-$ | US-5301829-$ | US-5325966-$ | US-5356038-$ | US-5356105-$ | US-5375709-$ | US-5429235-$ | US-5454634-$ | US-5538213-$ | US-5595228-$ | US-5608603-$ | US-5622296-$ | US-5628443-$ | US-5653366-$ | US-5664292-$ | US-5775046-$ | US-5797617-$ | US-5850996-$ | US-					

		5890613-$ | US- 5906381-$ | US- 5951037-$ | US- 5957421-$ | US- 5988473-$ | US- 6036071-$ | US- 6050660-$ | US- 6082539-$ | US- 6082687-$ | US- 6085925-$ | US- 6098858-$ | US- 6109627-$ | US- 6123344-$ | US- 6131926-$ | US- 6176559-$ | US- 6305498-$ | US- 6311881-$ | US- 6347847-$ | US- 6354759-$ | US- 6367631-$ | US- 6371320-$ | US- 6371321-$ | US- 6371424-$ | US- 6431580-$ | US- 6497395-$ | US- 6547347-$ | US- 6601930-$ | US- 6619772-$ | US- 6637707-$ | US- 6641013-$ | US- 6666362-$ | US- 6889838-$ | US- 6945546-$ | US- 6948691-$ | US- 6983946-$ | US- 7007903-$ | US- 7044484-$ | US- 7090085-$ | US- 7147243-$ | US- 7152752-$ | US- 7219969-$ | US- 7263742-$ | US- 7350648-$ | US- 7367571-$ | US- 7416193-$ | US- 7503569-$ | US- 7658887-$ | US- 7690856-$ | US- 7757913-$ | US- 7780026-$ | US- 7837165-$ | US- 7841144-$ | US- 8028845-$ | US- 8132819-$ | US- 8177463-$ | US- 8191910-$ | US- 8292244-$ | US- 8448829-$ | US-					

		8454033-$ | US- 8459495-$ | US- 8505729-$ | US- 8567796-$ | US- 8590704-$ | US- 8602217-$ | US- 8640913-$ | US- 8657307-$ | US- 8677661-$ | US- 8689396-$ | US- 8714355-$ | US- 8813960-$ | US- 8851282-$ | US- 8875888-$ | US- 8894160-$ | US- 8925752-$ | US- 8974139-$ | US- 8979100-$ | US- 8985922-$ | US- 9132543-$ | US- 9506489-$ | US- 9511491-$ | US- 9551367-$ | US- 9566990-$ | US- 9616562-$ | US- 9643629-$ | US- 9701443-$ | US- 9725209-$ | US- 9776651-$ | US- 9850029-$ | US- 9872562-$ | US- 9888752-$ | US- D232798-$ | US- D285986-$ | US- D319016-$ | US- D325324-$ | US- D326815-$ | US- D340167-$ | US- D352208-$).DID. (US- D361511-$ | US- D395533-$ | US- D415393-$ | US- D420860-$ | US- D437484-$ | US- D437669-$ | US- D456972-$ | US- D525789-$ | US- D527225-$ | US- D536580-$ | US- D630851-$ | US- D649350-$ | US- D649783-$ | US- D653832-$ | US- D661858-$ | US- D663952-$ | US- D664354-$ | US- D668869-$ | US- D674605-$ | US-					

		D701696-$ | US- D738105-$ | US- D738106-$ | US- D738622-$ | US- D753394-$ | US- D753395-$ | US- D753396-$ | US- D753982-$ | US- D765974-$ | US- D770179-$ | US- D784089-$ | US- D790221-$ | US- D803631-$ | US- D806483-$ | US- D814187-$ | US- D815831-$ | US- D816334-$ | US- D826510-$ | US- D828671-$ | US- D831352-$ | US- D833744-$ | US- D836995-$ | US- D837515-$ | US- D839681-$ | US- D845080-$ | US- D845081-$ | US- D857387-$ | US- D871013-$ | US- D873085-$ | US- D876833-$ | US- D880252-$ | US- D880951-$ | US- D883752-$ | US- D887788-$ | US- D888422-$ | US- D888503-$ | US- D891193-$ | US- D891195-$ | US- D891875-$ | US- D892565-$ | US- D895375-$ | US- D895966-$ | US- D895967-$ | US- D896517-$ | US- D896518-$ | US- D897103-$ | US- D898320-$ | US- D917977-$ | US- D918584-$ | US- D919296-$ | US- D920671-$ | US- D923935-$ | US- D932186-$ | US- D936030-$ | US- D941020-$ | US- D967693-$ | US- RE47022-$).DID.					

L24	17	("5683097" | "6559791" | "6644447" | "7503569" | "8820497" | "8919508" | "9277796" | "20020070517" | "20080223679" | "20090149279" | "20090266833").pn. OR ("11066089").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:51 PM
L25	817	L23 L20	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:52 PM
L26	87	("3356325" | "4525052").pn. OR ("4929973").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:58 PM
L27	361	("0495537" | "0509839" | "1081378" | "1084360" | "2042387" | "2124541" | "2430200" | "2939613" | "2970358" | "3117692" | "3225865" | "3423786" | "3424334" | "3506321" | "3514170" | "3743372" | "D232798" | "3935613" | "3974898" | "3999818" | "4122925" | "4168076" | "4243279" | "D285986" | "4673070" | "4805859" | "4817237" | "4929973" | "4971201" | "5035445" | "D319016" | "5098235" | "D325324" | "5105947" | "D326815" | "5240264" | "D340167" | "5282554" | "5301829" | "5325966" | "5356038" | "5356105" | "D352208" | "5375709" | "5429235" | "5429260" | "5433416" | "D361511" | "5538213" | "5595228" | "5608603" | "5622296" | "5628443" | "5653366" | "5664292" | "D395533" | "5775046" | "5797617" | "5850996" | "5890613" | "5951037" | "5957421" | "D415393" | "5988473" | "D420860" | "6050660" | "6082539" | "6082687" | "6085925" | "6098858" | "6109627" | "6176559" | "D437669" | "6305498" | "6347847" | "6367631" | "6371320" | "6371424"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:59 PM

		| "D456972" | "6431580" | "6547347" | "6601930" | "6619772" | "6637707" | "6641013" | "6889838" | "6945546" | "6948691" | "6983946" | "7044484" | "7066475" | "7077372" | "D525789" | "D527225" | "7090085" | "7147243" | "7152752" | "D536580" | "7172164" | "7219969" | "7263742" | "7367571" | "7503569" | "7658887" | "7690856" | "7779764" | "7780026" | "7837165" | "7841144" | "D630851" | "8028845" | "D649350" | "D653832" | "8132819" | "8177463" | "D661858" | "8191910" | "D663952" | "D664354" | "D668869" | "D674605" | "8448829" | "8454033" | "8459495" | "8505729" | "8567796" | "8602217" | "8640913" | "8677661" | "D701696" | "8689396" | "8714355" | "8813960" | "8851282" | "8875888" | "8925752" | "8979100" | "8985922" | "D738105" | "D738106" | "D738622" | "9132543" | "D753394" | "D753395" | "D753396" | "D753982" | "D765974" | "D770179" | "9506489" | "9511491" | "D777426" | "9551367" | "9566990" | "D784089" | "9616562" | "9643629" | "D790221" | "9701443" | "9725209" | "D803631" | "9850029" | "D806483" | "9872562" | "9888752" | "D814187" | "D815831" | "D816334" | "D826510" | "D828671" | "D831352" | "10106180" | "D833744" | "D836995" | "D839681" | "10222172" | "D837515" | "D845080" | "D845081" | "D857387" | "10434638" | "D871013" | "D873085" | "10583962" |				

		"10603783" | "D880252" | "D880951" | "D883752" | "D887788" | "D888422" | "D888503" | "D891193" | "D891195" | "10703534" | "D891875" | "D892565" | "10750833" | "D895375" | "D895966" | "D895967" | "D896517" | "D896518" | "10758065" | "D898320" | "10793172" | "10829269" | "10933501" | "10962218" | "10981696" | "D917977" | "11008136" | "D923935" | "11059631" | "20020000440" | "20020125072" | "20020171228" | "20030094392" | "20030094393" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040103494" | "20040195793" | "20040206656" | "20050015928" | "20050062244" | "20050104308" | "20050139745" | "20050242144" | "20060006770" | "20060027475" | "20060038367" | "20060076261" | "20060119060" | "20060186624" | "20060254946" | "20070068757" | "20070090616" | "20070145700" | "20070194543" | "20080060953" | "20080104921" | "20080115312" | "20080121547" | "20080134607" | "20080169739" | "20080271280" | "20080277221" | "20080296443" | "20080308369" |					

		"20090026901" | "20090071990" | "20090127146" | "20090145790" | "20090145866" | "20090145913" | "20090178946" | "20090236482" | "20100052276" | "20100139566" | "20100147642" | "20100176261" | "20100219193" | "20100224528" | "20110073516" | "20110139665" | "20110139777" | "20110155613" | "20110174939" | "20110181008" | "20110220531" | "20120074022" | "20120074158" | "20120152944" | "20120160886" | "20120180250" | "20120207571" | "20120292213" | "20120326406" | "20130024468" | "20130031731" | "20130031732" | "20130068903" | "20130121783" | "20130127129" | "20130146551" | "20130154218" | "20130223971" | "20140069832" | "20140076759" | "20140123478" | "20140161518" | "20140166516" | "20150014949" | "20150034515" | "20150151427" | "20150274362" | "20150310842" | "20150376917" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20160221177" | "20170121056" | "20170138382" | "20170165828" | "20170166352" |				

		"20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20170349013" | "20180044059" | "20180099405" | "20180127007" | "20180153312" | "20180161975" | "20180186513" | "20180213934" | "20180220758" | "20180229889" | "20180290288" | "20190001482" | "20190002004" | "20190031222" | "20190039781" | "20190106244" | "20190168376" | "20190225371" | "20200029543" | "20200055534" | "20200147781" | "20200165036" | "20200243925" | "20200299027" | "20200346819" | "20210025706" | "20210031975" | "20210039831" | "20210155373" | "20210187725" | "20210267368").pn. OR ("11192690").urpn. AND (PGPB | USPT | USOC).dbnm.					
L28	17	("2155128" | "3266656" | "4278196" | "4621879" | "5000301" | "6682256" | "8245467" | "20050000836" | "20060201833" | "20110036735").pn. OR ("9089964").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 05:02 PM
L29	254	("2042387" | "2430200" | "2970358" | "3117692" | "3225865" | "3506321" | "D232798" | "3974898" | "4168076" | "4971201" | "5035445" | "D319016" | "5098235" | "D325324"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 05:05 PM

		| "5105947" | "D326815" | "5240264" | "D340167" | "5301829" | "D352208" | "5429260" | "D361511" | "5538213" | "5595228" | "5608603" | "5628443" | "D395533" | "5797617" | "5951037" | "D415393" | "5988473" | "D420860" | "6050660" | "6085925" | "6109627" | "6176559" | "D437669" | "6305498" | "6347847" | "6367631" | "6371320" | "D456972" | "6431580" | "6547347" | "6601930" | "6619772" | "6637707" | "6641013" | "6945546" | "6948691" | "6983946" | "7044484" | "7066475" | "D525789" | "D527225" | "7147243" | "D536580" | "7263742" | "7367571" | "7503569" | "7658887" | "7779764" | "7780026" | "7841144" | "D630851" | "8028845" | "D649350" | "D653832" | "8132819" | "8177463" | "D661858" | "8191910" | "D663952" | "D664354" | "D668869" | "D674605" | "8454033" | "8459495" | "8505729" | "8567796" | "8677661" | "D701696" | "8689396" | "8714355" | "8813960" | "8875888" | "8979100" | "8985922" | "D738105" | "D738106" | "9132543" | "D753394" | "D753395" | "D753396" | "D765974" | "D770179" | "9506489" | "9511491" | "D777426" | "9566990" | "D784089" | "9616562" | "9643629" | "D790221" | "9701443" | "9725209" | "D803631" | "D806483" | "9872562" | "D814187" | "D815831" | "D816334" | "D826510" | "D828671" | "D831352" | "10106180" | "D833744" | "D836995" | "D839681" | "D837515" | "D845080" | "D845081" | "D857387"					

		| "10434638" | "D871013" | "D873085" | "10583962" | "D880252" | "D880951" | "D883752" | "D887788" | "D888422" | "D888503" | "D891193" | "D891195" | "D891875" | "D892565" | "D895375" | "D895966" | "D895967" | "D896517" | "D896518" | "20020000440" | "20020125072" | "20020171228" | "20030094393" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040103494" | "20040195793" | "20040206656" | "20050062244" | "20050104308" | "20050139745" | "20060006770" | "20060027475" | "20060038367" | "20060119060" | "20060186624" | "20060254946" | "20070012694" | "20070068757" | "20070090616" | "20070145700" | "20070194543" | "20080104921" | "20080115312" | "20080121547" | "20080134607" | "20080169739" | "20080271280" | "20080277221" | "20080308369" | "20090026901" | "20090071990" | "20090145790" | "20090145866" | "20090145913" | "20090178946" | "20090236482" | "20100052276" | "20100139566" | "20100147642" | "20100219193" | "20100290877" |					

		"20110073516" | "20110139665" | "20110155613" | "20110174939" | "20110181008" | "20110220531" | "20120160886" | "20120180250" | "20120207571" | "20120292213" | "20120326406" | "20130024468" | "20130031731" | "20130031732" | "20130068903" | "20130121783" | "20130127129" | "20130146551" | "20130154218" | "20130223971" | "20140076759" | "20140161518" | "20140166516" | "20150034515" | "20150274362" | "20150376917" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20160221177" | "20170121056" | "20170138382" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20170349013" | "20180044059" | "20180099405" | "20180153312" | "20180161975" | "20180186513" | "20180220758" | "20180290288" | "20190002004" | "20190031222" | "20190039781" | "20190106244" | "20190225371" | "20200055534" | "20200147781" | "20200165036" | "20200243925" |				

		"20200299027").pn. OR ("11426859").urpn. AND (PGPB | USPT | USOC).dbnm.					
L30	0	"11731807".pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 05:15 PM
L31	72	brunner.inv. AND bumper	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 05:48 PM
L32	9	brunner.inv. AND milwaukee.as. AND bumper	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 05:49 PM
L33	36	brunner.inv. AND milwaukee.as.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:02 PM
L34	0	("2023/0090819").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:05 PM
L35	29	L25 AND madsen	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:09 PM
L36	2	L25 AND madsen.inv.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:09 PM
L37	10	("2016/0213115").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:28 PM
L38	115	("4643494" | "4671943" | "D292634" | "4820499" | "5101969" | "D340353" | "5379887" | "D355764" | "D356211" | "D356679" | "D360757" | "D361663" | "5445273" | "5495945" | "5890613" | "D416682" | "5979654" | "6082539" | "D439408" | "D446015" | "D448567" | "D452613" | "D462522" | "D470658" | "D478421" | "D483946" | "D487634" | "6874634" | "6880869" | "6889838" | "7000287" | "D520237" | "D520734" | "D524651" | "D539541" | "D542529" | "D557011" | "D572479" | "D595958" | "D598684" | "7573385" | "D600015" | "D601797" | "D608094" | "D616200" | "D620255" | "D630435" | "8061492" | "8186534" | "D668867" | "D688869" | "8522967" | "8590704" | "8677661" | "D704442" | "D719352"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:28 PM

		| "D738106" | "9131770" | "D750890" | "D757435" | "D759975" | "D785938" | "D790221" | "D792708" | "D798053" | "D801685" | "D808653" | "D811084" | "RE47022" | "D833743" | "D841981" | "D841982" | "D841983" | "10405626" | "D872471" | "D873004" | "D882952" | "10703534" | "10710770" | "20030094392" | "20030102970" | "20060049640" | "20060170558" | "20080067091" | "20080251396" | "20090236255" | "20110121695" | "20110139666" | "20110147256" | "20110186397" | "20110233096" | "20140062281" | "20140262885" | "20160008972" | "20160144500" | "20160213115" | "20170318927" | "20180220758" | "20190291922" | "20190308772" | "20190315515").pn. OR ("10829269").urpn. AND (PGPB | USPT | USOC).dbnm.					
L39	15	("2011/0139777").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:41 PM
L40	43	("1385484" | "2888970" | "3201035" | "4616752" | "6202847" | "6648390" | "6874634" | "7137522").pn. OR ("7690856").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:43 PM
L41	59	("0263561" | "4619363" | "4643494" | "4863222" | "5570784" | "5617953" | "5803254" | "5887715" | "5890613" | "5934466"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:45 PM

		| "6082539" | "6271320" | "6349827" | "6543613" | "6868967" | "6889838" | "D528793" | "7219969" | "7237673" | "7322470" | "D563102" | "D563670" | "D563671" | "7690856" | "D645663" | "D648531" | "8322354" | "8459495" | "8505729" | "8561679" | "8590704" | "8602217" | "8714355" | "8875888" | "8979100" | "9469024" | "D781584" | "9725209" | "RE47022" | "20020179473" | "20030094392" | "20040188322" | "20110155613" | "20120152944" | "20150353231" | "20160075010" | "20160194115").pn. OR ("10603783").urpn. AND (PGPB | USPT | USOC).dbnm.					
L42	1	("2022/0097926").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 07:02 PM
L43	0	("2017/0143090").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 07:20 PM
L44	13	("20050067245"|"20060213029"|"20060225981"|"5806143"|"6357080"|"6378674"|"6609271"|"6827186"|"7143912"|"7207085"|"7506736"|"7549520"|"9161600").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 07:20 PM
L45	26	L25 AND toggle	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 09:48 PM
L46	589	(tool ADJ box) AND toggle	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 09:52 PM
L47	179	L25 AND latch	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 09:53 PM
L48	61	((US-11253037-B2 OR US-11124347-B2 OR US-9089964-B2 OR US-D932186-S OR US-11066089-B2 OR US-11059631-B1 OR US-D923935-S OR US-7503569-B2 OR US-6666362-B1 OR US-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO,	OR	ON	ON	2023/08/08 10:01 PM

		5356105-A OR US-5356038-A OR US-5325966-A OR US-4929973-A OR US-11192690-B1 OR US-D967693-S OR US-11464335-B2 OR US-11426859-B2 OR US-D826510-S OR US-D936030-S OR US-10829269-B2 OR US-9511491-B2 OR US-D765974-S OR US-D738106-S OR US-8640913-B2 OR US-7690856-B2 OR US-11338959-B2 OR US-10603783-B2).did. AND USPT.dbnm.) OR ((US-20230036215-A1 OR US-20220402113-A1 OR US-20210267368-A1 OR US-20210154824-A1 OR US-20210104914-A1 OR US-20200165036-A1 OR US-20200147781-A1 OR US-20200078929-A1 OR US-20110139665-A1 OR US-20070138041-A1 OR US-20180220758-A1 OR US-20230090819-A1 OR US-20070012694-A1 OR US-20210104909-A1 OR US-20210031975-A1 OR US-20200346819-A1 OR US-20190039781-A1 OR US-20180161975-A1 OR US-20170318927-A1 OR US-20160213115-A1 OR US-20140069832-A1 OR US-20110139777-A1 OR US-20230136626-A1 OR US-20230027343-A1 OR US-20220097926-A1 OR US-20180044059-A1 OR US-20170143090-A1 OR US-20170121056-A1 OR US-20170120679-A1 OR US-20160023349-	MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				

		A1 OR US-20150352711-A1 OR US-20130134003-A1 OR US-20090301913-A1).did. AND PGPB.dbnm.) OR ((US-3201035-A).did. AND USOC.dbnm.)					
L49	61	((US-11253037-B2 OR US-11124347-B2 OR US-9089964-B2 OR US-D932186-S OR US-11066089-B2 OR US-11059631-B1 OR US-D923935-S OR US-7503569-B2 OR US-6666362-B1 OR US-5356105-A OR US-5356038-A OR US-5325966-A OR US-4929973-A OR US-11192690-B1 OR US-D967693-S OR US-11464335-B2 OR US-11426859-B2 OR US-D826510-S OR US-D936030-S OR US-10829269-B2 OR US-9511491-B2 OR US-D765974-S OR US-D738106-S OR US-8640913-B2 OR US-7690856-B2 OR US-11338959-B2 OR US-10603783-B2).did. AND USPT.dbnm.) OR ((US-20230036215-A1 OR US-20220402113-A1 OR US-20210267368-A1 OR US-20210154824-A1 OR US-20210104914-A1 OR US-20200165036-A1 OR US-20200147781-A1 OR US-20200078929-A1 OR US-20110139665-A1 OR US-20070138041-A1 OR US-20180220758-A1 OR US-20230090819-A1 OR US-20070012694-A1 OR US-20210104909-A1 OR US-20210031975-A1 OR US-20200346819-A1 OR	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/08/08 10:01 PM

		US-20190039781-A1 OR US-20180161975-A1 OR US-20170318927-A1 OR US-20160213115-A1 OR US-20140069832-A1 OR US-20110139777-A1 OR US-20230136626-A1 OR US-20230027343-A1 OR US-20220097926-A1 OR US-20180044059-A1 OR US-20170143090-A1 OR US-20170121056-A1 OR US-20170120679-A1 OR US-20160023349-A1 OR US-20150352711-A1 OR US-20130134003-A1 OR US-20090301913-A1).did. AND PGPB.dbnm.) OR ((US-3201035-A).did. AND USOC.dbnm.)					
L50	61	((US-11253037-B2 OR US-11124347-B2 OR US-9089964-B2 OR US-D932186-S OR US-11066089-B2 OR US-11059631-B1 OR US-D923935-S OR US-7503569-B2 OR US-6666362-B1 OR US-5356105-A OR US-5356038-A OR US-5325966-A OR US-4929973-A OR US-11192690-B1 OR US-D967693-S OR US-11464335-B2 OR US-11426859-B2 OR US-D826510-S OR US-D936030-S OR US-10829269-B2 OR US-9511491-B2 OR US-D765974-S OR US-D738106-S OR US-8640913-B2 OR US-7690856-B2 OR US-11338959-B2 OR US-10603783-B2).did. AND USPT.dbnm.) OR ((US-20230036215-A1 OR US-20220402113-A1 OR US-20210267368-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/08/09 12:30 PM

		A1 OR US-20210154824-A1 OR US-20210104914-A1 OR US-20200165036-A1 OR US-20200147781-A1 OR US-20200078929-A1 OR US-20110139665-A1 OR US-20070138041-A1 OR US-20180220758-A1 OR US-20230090819-A1 OR US-20070012694-A1 OR US-20210104909-A1 OR US-20210031975-A1 OR US-20200346819-A1 OR US-20190039781-A1 OR US-20180161975-A1 OR US-20170318927-A1 OR US-20160213115-A1 OR US-20140069832-A1 OR US-20110139777-A1 OR US-20230136626-A1 OR US-20230027343-A1 OR US-20220097926-A1 OR US-20180044059-A1 OR US-20170143090-A1 OR US-20170121056-A1 OR US-20170120679-A1 OR US-20160023349-A1 OR US-20150352711-A1 OR US-20130134003-A1 OR US-20090301913-A1).did. AND PGPB.dbnm.) OR ((US-3201035-A).did. AND USOC.dbnm.)					
L51	11	L50 NOT L25	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA,	OR	ON	ON	2023/08/09 12:30 PM

			VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L52	17	(US-0031019-$ | US-0063776-$ | US-0146447-$ | US-0205373-$ | US-0239509-$ | US-11530716-$ | US-20130239509-$ | US-20140205373-$ | US-20180031019-$ | US-20200063776-$ | US-20200146447-$ | US-9447804-$).DID.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/11/07 06:23 PM
L53	7	((US-20230136626-A1 OR US-20220097926-A1 OR US-20170143090-A1 OR US-20170120679-A1 OR US-20070012694-A1).did. AND PGPB.dbnm.) OR ((US-11192690-B1).did. AND USPT.dbnm.) OR ((US-3201035-A).did. AND USOC.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/11/07 06:26 PM
L54	363	("0495537" | "0509839" | "1081378" | "1084360" | "2042387" | "2124541" | "2430200" | "2939613" | "2970358" | "3117692" | "3225865" | "3423786" | "3424334" | "3506321" | "3514170" | "3743372" | "D232798" | "3935613" | "3974898" | "3999818" | "4122925" | "4168076" | "4243279" | "D285986" | "4673070" | "4805859" | "4817237" | "4929973" | "4971201" | "5035445" | "D319016" | "5098235" | "D325324" | "5105947" | "D326815" | "5240264" | "D340167" | "5282554" | "5301829" | "5325966" | "5356038" | "5356105" | "D352208" | "5375709" | "5429235" | "5429260" | "5433416" | "D361511" | "5538213" | "5595228" | "5608603" | "5622296"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/11/07 06:27 PM

		| "5628443" | "5653366" | "5664292" | "D395533" | "5775046" | "5797617" | "5850996" | "5890613" | "5951037" | "5957421" | "D415393" | "5988473" | "D420860" | "6050660" | "6082539" | "6082687" | "6085925" | "6098858" | "6109627" | "6176559" | "D437669" | "6305498" | "6347847" | "6367631" | "6371320" | "6371424" | "D456972" | "6431580" | "6547347" | "6601930" | "6619772" | "6637707" | "6641013" | "6889838" | "6945546" | "6948691" | "6983946" | "7044484" | "7066475" | "7077372" | "D525789" | "D527225" | "7090085" | "7147243" | "7152752" | "D536580" | "7172164" | "7219969" | "7263742" | "7367571" | "7503569" | "7658887" | "7690856" | "7779764" | "7780026" | "7837165" | "7841144" | "D630851" | "8028845" | "D649350" | "D653832" | "8132819" | "8177463" | "D661858" | "8191910" | "D663952" | "D664354" | "D668869" | "D674605" | "8448829" | "8454033" | "8459495" | "8505729" | "8567796" | "8602217" | "8640913" | "8677661" | "D701696" | "8689396" | "8714355" | "8813960" | "8851282" | "8875888" | "8925752" | "8979100" | "8985922" | "D738105" | "D738106" | "D738622" | "9132543" | "D753394" | "D753395" | "D753396" | "D753982" | "D765974" | "D770179" | "9506489" | "9511491" | "D777426" | "9551367" | "9566990" | "D784089" | "9616562" | "9643629" | "D790221" | "9701443" | "9725209" | "D803631" | "9850029" | "D806483" | "9872562" |				

		"9888752" | "D814187" | "D815831" | "D816334" | "D826510" | "D828671" | "D831352" | "10106180" | "D833744" | "D836995" | "D839681" | "10222172" | "D837515" | "D845080" | "D845081" | "D857387" | "10434638" | "D871013" | "D873085" | "10583962" | "10603783" | "D880252" | "D880951" | "D883752" | "D887788" | "D888422" | "D888503" | "D891193" | "D891195" | "10703534" | "D891875" | "D892565" | "10750833" | "D895375" | "D895966" | "D895967" | "D896517" | "D896518" | "10758065" | "D898320" | "10793172" | "10829269" | "10933501" | "10962218" | "10981696" | "D917977" | "11008136" | "D923935" | "11059631" | "20020000440" | "20020125072" | "20020171228" | "20030094392" | "20030094393" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040103494" | "20040195793" | "20040206656" | "20050015928" | "20050062244" | "20050104308" | "20050139745" | "20050242144" | "20060006770" | "20060027475" | "20060038367" | "20060076261" | "20060119060" | "20060186624" | "20060254946" | "20070068757" |					

		"20070090616" |					
		"20070145700" |					
		"20070194543" |					
		"20080060953" |					
		"20080104921" |					
		"20080115312" |					
		"20080121547" |					
		"20080134607" |					
		"20080169739" |					
		"20080271280" |					
		"20080277221" |					
		"20080296443" |					
		"20080308369" |					
		"20090026901" |					
		"20090071990" |					
		"20090127146" |					
		"20090145790" |					
		"20090145866" |					
		"20090145913" |					
		"20090178946" |					
		"20090236482" |					
		"20100052276" |					
		"20100139566" |					
		"20100147642" |					
		"20100176261" |					
		"20100219193" |					
		"20100224528" |					
		"20110073516" |					
		"20110139665" |					
		"20110139777" |					
		"20110155613" |					
		"20110174939" |					
		"20110181008" |					
		"20110220531" |					
		"20120074022" |					
		"20120074158" |					
		"20120152944" |					
		"20120160886" |					
		"20120180250" |					
		"20120207571" |					
		"20120292213" |					
		"20120326406" |					
		"20130024468" |					
		"20130031731" |					
		"20130031732" |					
		"20130068903" |					
		"20130121783" |					
		"20130127129" |					
		"20130146551" |					
		"20130154218" |					
		"20130223971" |					
		"20140069832" |					
		"20140076759" |					
		"20140123478" |					
		"20140161518" |					
		"20140166516" |					
		"20150014949" |					
		"20150034515" |					

		"20150151427" | "20150274362" | "20150310842" | "20150376917" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20160221177" | "20170121056" | "20170138382" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20170349013" | "20180044059" | "20180099405" | "20180127007" | "20180153312" | "20180161975" | "20180186513" | "20180213934" | "20180220758" | "20180229889" | "20180290288" | "20190001482" | "20190002004" | "20190031222" | "20190039781" | "20190106244" | "20190168376" | "20190225371" | "20200029543" | "20200055534" | "20200147781" | "20200165036" | "20200243925" | "20200299027" | "20200346819" | "20210025706" | "20210031975" | "20210039831" | "20210155373" | "20210187725" | "20210267368").pn. OR ("11192690").urpn. AND (PGPB | USPT | USOC).dbnm.					
L55	13	("2020/0243925").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/11/07 06:28 PM
L56	38	("2011/0139665").urpn.	(US-PGPUB; USPAT;	OR	ON	ON	2023/11/07

		AND (PGPB | USPT | USOC).dbnm.	USOCR)				06:32 PM
L57	8	((US-20230136626-A1 OR US-20220097926-A1 OR US-20170143090-A1 OR US-20170120679-A1 OR US-20070012694-A1).did. AND PGPB.dbnm.) OR ((US-11192690-B1 OR US-11426859-B2).did. AND USPT.dbnm.) OR ((US-3201035-A).did. AND USOC.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/11/18 10:10 PM
L58	23	(US-0031019-$ | US-0063776-$ | US-0146447-$ | US-0205373-$ | US-0239509-$ | US-11530716-$ | US-20130239509-$ | US-20140205373-$ | US-20180031019-$ | US-20200063776-$ | US-20200146447-$ | US-9447804-$).DID.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/11/18 10:10 PM
L59	8	((US-20230136626-A1 OR US-20220097926-A1 OR US-20170143090-A1 OR US-20170120679-A1 OR US-20070012694-A1).did. AND PGPB.dbnm.) OR ((US-11192690-B1 OR US-11426859-B2).did. AND USPT.dbnm.) OR ((US-3201035-A).did. AND USOC.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/11/23 10:59 PM
L60	7	L59 NOT L25	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2023/11/23 11:00 PM

			HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L61	5	brunner.inv. AND (bumper AND width).clm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/10 08:43 PM
L62	11	brunner.inv. AND (bumper).clm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/10 08:43 PM
L63	496	("0495537" | "0509839" | "1081378" | "1084360" | "2042387" | "2103106" | "2124541" | "2210235" | "2372845" | "2386343" | "2430200" | "2588009" | "2733076" | "2939613" | "2970358" | "3117692" | "3201035" | "3225865" | "3370236" | "3423786" | "3424334" | "3506321" | "3514170" | "3552817" | "3567298" | "3685866" | "3743372" | "D232798" | "3835623" | "3851936" | "3935613" | "3974898" | "3999818" | "4122925" | "4168076" | "4243279" | "4303367" | "4564732" | "D285986" | "4660725" | "4673070" | "4735107" | "4805859" | "4817237" | "4929973" | "4971201" | "5035389" | "5035445" | "D319016" | "5098235" | "D325324" | "5105947" | "D326815" | "5154291" | "5240264" | "D340167" | "5282554" | "5301829" | "5325966" | "5356038" | "5356105" | "D352208" | "5375709" | "5429235" | "5429260" | "5433416" | "D361511" | "5454634" | "5538213" | "5595228" | "5608603" | "5622296" | "5628443" | "5653366" | "5664292" | "D395533" | "5775046" | "5797617" | "5850996" | "5890613" | "5906381" | "5951037" | "5957421" | "D415393"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/10 08:47 PM

			"5988473" | "D420860" | "6036071" | "6050660" | "6082539" | "6082687" | "6085925" | "6098858" | "6109627" | "6123344" | "6131926" | "6176559" | "D437484" | "D437669" | "6305498" | "6311881" | "6347847" | "6354759" | "6367631" | "6371320" | "6371321" | "6371424" | "D456972" | "6431580" | "6497395" | "6547347" | "6601930" | "6619772" | "6637707" | "6641013" | "6666362" | "6889838" | "6945546" | "6948691" | "6983946" | "7007903" | "7044484" | "7066475" | "7077372" | "D525789" | "D527225" | "7090085" | "7121417" | "7147243" | "7152752" | "D536580" | "7172164" | "7219969" | "7263742" | "7350648" | "7367571" | "7416193" | "7503569" | "7658887" | "7690856" | "7757913" | "7779764" | "7780026" | "7837165" | "7841144" | "D630851" | "8028845" | "D649350" | "D649783" | "D653832" | "8132819" | "8177463" | "D661858" | "8191910" | "D663952" | "D664354" | "D668869" | "8292244" | "D674605" | "8448829" | "8454033" | "8459495" | "8505729" | "8567796" | "8590704" | "8602217" | "8640913" | "8657307" | "8677661" | "D701696" | "8689396" | "8714355" | "8813960" | "8851282" | "8875888" | "8894160" | "8925752" | "8974139" | "8979100" | "8985922" | "9089964" | "D738105" | "D738106" | "D738622" | "9132543" | "D753394" | "D753395" | "D753396" | "D753982" | "D765974" | "9447804" | "D770179" | "9506489" | "9511491" | "D777426" | "9551367" | "9566990"				

		| "D784089" | "9616562" | "9643629" | "D790221" | "9701443" | "9725209" | "9776651" | "D803631" | "9850029" | "D806483" | "9872562" | "9888752" | "D814187" | "D815831" | "D816334" | "10017134" | "D826510" | "RE47022" | "D828671" | "D831352" | "10106180" | "D833744" | "D836995" | "D839681" | "10222172" | "D837515" | "D845080" | "D845081" | "D857387" | "10406387" | "10434638" | "D871013" | "D873085" | "D876833" | "10583962" | "10603783" | "D880252" | "D880951" | "D883752" | "D887788" | "D888422" | "D888503" | "D891193" | "D891195" | "10703534" | "D891875" | "D892565" | "10750833" | "D895375" | "D895966" | "D895967" | "D896517" | "D896518" | "D897103" | "10758065" | "D898320" | "10793172" | "10829269" | "10894314" | "10933501" | "10962218" | "10981696" | "D917977" | "D918584" | "D919296" | "11008136" | "D920671" | "11027883" | "D923935" | "11059631" | "11066089" | "11124347" | "D932186" | "11155382" | "D936030" | "11192690" | "D941020" | "11230410" | "11253037" | "11283117" | "11338959" | "11385055" | "11426859" | "D967693"					

		| "11464335" | "11510486" | "11529985" | "11530716" | "11554898" | "11612998" | "20020000440" | "20020030425" | "20020125072" | "20020171228" | "20030075468" | "20030094392" | "20030094393" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040074725" | "20040103494" | "20040149754" | "20040195793" | "20040206656" | "20040256529" | "20050015928" | "20050062244" | "20050104308" | "20050139745" | "20050242144" | "20060006770" | "20060027475" | "20060038367" | "20060076261" | "20060119060" | "20060165482" | "20060186624" | "20060254946" | "20070006542" | "20070012694" | "20070045505" | "20070068757" | "20070090616" | "20070138041" | "20070145700" | "20070194543" | "20070273114" | "20080060953" | "20080104921" | "20080115312" | "20080121547" | "20080134607" | "20080169667" | "20080169739" | "20080271280" | "20080277221" | "20080280523" | "20080296443" | "20080308369" | "20090026901" |					

		"20090044827" | "20090071990" | "20090127146" | "20090145790" | "20090145866" | "20090145913" | "20090178946" | "20090236482" | "20090288970" | "20100052276" | "20100139566" | "20100147642" | "20100176261" | "20100219193" | "20100224528" | "20100254757" | "20110049824" | "20110073516" | "20110127736" | "20110139665" | "20110139777" | "20110155613" | "20110174939" | "20110181008" | "20110220531" | "20120073995" | "20120074022" | "20120074158" | "20120080432" | "20120152944" | "20120160886" | "20120180250" | "20120207571" | "20120292213" | "20120326406" | "20130024468" | "20130031731" | "20130031732" | "20130068903" | "20130121783" | "20130127129" | "20130146551" | "20130154218" | "20130206139" | "20130223971" | "20130239509" | "20140062042" | "20140069832" | "20140076759" | "20140123478" | "20140161518" | "20140166516" | "20140197059" | "20140205373" | "20150014949" | "20150034515" | "20150151427" | "20150274362" |				

		"20150310842" | "20150376917" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20160213115" | "20160221177" | "20170120679" | "20170121056" | "20170138382" | "20170143090" | "20170158216" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20170349013" | "20180031019" | "20180044059" | "20180099405" | "20180127007" | "20180153312" | "20180161975" | "20180186513" | "20180213934" | "20180220758" | "20180229889" | "20180290288" | "20190001482" | "20190002004" | "20190031222" | "20190039781" | "20190106244" | "20190168376" | "20190225371" | "20200029543" | "20200055534" | "20200063776" | "20200078929" | "20200146447" | "20200147781" | "20200165036" | "20200223585" | "20200243925" | "20200299027" | "20200346819" | "20200383507" | "20210025706" | "20210031975" | "20210039831" | "20210094600" | "20210104909" | "20210104914" |				

		"20210154824" | "20210155373" | "20210187725" | "20210221561" | "20210267368" | "20210316909" | "20210360803" | "20220097926" | "20220117393" | "20220240671" | "20220258324" | "20220369781" | "20220402113" | "20230027343" | "20230036215" | "20230136626").pn. OR ("11794952").urpn. AND (PGPB | USPT | USOC).dbnm.					
L64	18	("2409748" | "4423813" | "6983946" | "20080035655" | "20170121056" | "20180161975" | "20180220758").pn. OR ("11059631").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/10 08:47 PM
L65	501	("0495537" | "0509839" | "1081378" | "1084360" | "1112943" | "1488460" | "1704480" | "0D85986" | "2042387" | "2100036" | "2103106" | "2124541" | "2210235" | "2386343" | "2430200" | "2558126" | "2588009" | "2939613" | "2970358" | "3005282" | "3117692" | "3186585" | "3225865" | "3351212" | "3423786" | "3424334" | "3506321" | "3514170" | "3550908" | "3552817" | "3567298" | "3743372" | "D232798" | "3851936" | "3935613" | "3974898" | "3999818" | "4043566" | "4122925" | "4168076" | "4171789" | "4243279" | "4491231" | "4524985" | "4564732" | "4577772" | "D285986" | "4639005" | "4643494" | "4660725" | "4673070" | "4684034" | "4693345" | "4735107" | "4805859" | "4817237" | "4929973" | "4971201"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/10 08:48 PM

		| "5022621" | "5035389" | "5035445" | "D319016" | "5098235" | "D325324" | "5104269" | "5105947" | "D326815" | "5154291" | "5185971" | "5240264" | "D340167" | "5282554" | "5301829" | "5325966" | "5356038" | "5356105" | "D352208" | "5375709" | "5429235" | "5429260" | "5433416" | "D361511" | "5454634" | "5494246" | "5538213" | "5595228" | "5608603" | "5622296" | "5628443" | "5653366" | "5664292" | "D395533" | "5775046" | "5797617" | "5807047" | "5850996" | "5890613" | "5951037" | "5957421" | "D415393" | "5988473" | "D420860" | "6036071" | "6050660" | "6082539" | "6082687" | "6085925" | "6098858" | "6109627" | "6123344" | "6131926" | "6132819" | "6176558" | "6176559" | "D437484" | "D437669" | "6305498" | "6347847" | "6354759" | "6367631" | "6371320" | "6371321" | "6371424" | "D456972" | "6431580" | "6497395" | "6547347" | "6601930" | "6619772" | "6637707" | "6641013" | "6889838" | "6945546" | "6948691" | "6983946" | "7007903" | "7044484" | "7066475" | "7077372" | "D525789" | "D527225" | "7083061" | "7090085" | "7121417" | "7147243" | "7152752" | "D536580" | "7172164" | "7219969" | "D545697" | "7263742" | "7350648" | "7367571" | "7431172" | "7448115" | "7490800" | "7503569" | "7658887" | "7690856" | "7757913" | "7779764" | "7780026" | "D627967" | "7837165" | "7841144" | "D630851" | "8028845" | "D649350" | "D649783" | "D653832" | "8132819" | "8177463"					

		| "D661858" | "8191910" | "D663952" | "D664354" | "D668869" | "8292244" | "D674605" | "8448829" | "8454033" | "8459495" | "8505729" | "8567796" | "8602217" | "8640913" | "8677661" | "D701696" | "8689396" | "8714355" | "8813960" | "8851282" | "8875888" | "8894160" | "8924752" | "8925752" | "8979100" | "8985922" | "D738105" | "D738106" | "D738622" | "9132543" | "D753394" | "D753395" | "D753396" | "D753982" | "9346392" | "D765974" | "D770179" | "9506489" | "9511491" | "D777426" | "9551367" | "9566990" | "D784089" | "9616562" | "9643629" | "D790221" | "9701443" | "9725209" | "D803631" | "9850029" | "D806483" | "9872562" | "9888752" | "D814187" | "D815831" | "D816334" | "10017134" | "D826510" | "RE47022" | "D828671" | "D831352" | "10106180" | "D833744" | "D836995" | "D837515" | "D839681" | "10222172" | "D845080" | "D845081" | "10336359" | "D857387" | "10406387" | "10434638" | "D871013" | "10517398" | "D873085" | "D876833" | "10583962" | "10593962" | "10603783" | "D880252" | "D880951" | "D883752" | "D887788" | "D888422" | "D888503" | "D891193" | "D891195" | "10703534" | "D891875" | "D892565" | "D895375" | "10750833" | "10752150" | "D895966" | "D895967" | "D896517" |					

		"D896518" | "D897103" | "10758065" | "D898320" | "10793172" | "10829268" | "10829269" | "10894314" | "10933501" | "10962218" | "10981696" | "D917977" | "D918584" | "D919296" | "11008136" | "D920671" | "D923935" | "11059631" | "11066089" | "D932186" | "11155382" | "D936030" | "D941020" | "11230410" | "11283117" | "20020000440" | "20020030425" | "20020117464" | "20020117465" | "20020125072" | "20020171228" | "20030075468" | "20030094392" | "20030094393" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040074725" | "20040103494" | "20040149754" | "20040195793" | "20040206656" | "20040256529" | "20050015928" | "20050062244" | "20050082775" | "20050104308" | "20050139745" | "20050242144" | "20060006770" | "20060027475" | "20060038367" | "20060076261" | "20060113303" | "20060119060" | "20060165482" | "20060186624" | "20060254946" | "20070006542" | "20070012694" | "20070045505" | "20070068757" | "20070090616" | "20070145700" |					

		"20070194543" |					
		"20070273114" |					
		"20080060953" |					
		"20080067909" |					
		"20080104921" |					
		"20080115312" |					
		"20080121547" |					
		"20080134607" |					
		"20080136133" |					
		"20080169739" |					
		"20080271280" |					
		"20080277221" |					
		"20080280523" |					
		"20080296443" |					
		"20080308369" |					
		"20090026901" |					
		"20090071990" |					
		"20090127146" |					
		"20090145790" |					
		"20090145866" |					
		"20090145913" |					
		"20090178946" |					
		"20090236482" |					
		"20090288970" |					
		"20100052276" |					
		"20100139566" |					
		"20100147642" |					
		"20100176261" |					
		"20100219193" |					
		"20100224528" |					
		"20100290877" |					
		"20110049824" |					
		"20110073516" |					
		"20110139665" |					
		"20110139777" |					
		"20110155613" |					
		"20110174939" |					
		"20110181008" |					
		"20110220531" |					
		"20120073995" |					
		"20120074022" |					
		"20120074158" |					
		"20120080432" |					
		"20120152800" |					
		"20120152944" |					
		"20120160886" |					
		"20120180250" |					
		"20120207571" |					
		"20120292213" |					
		"20120326406" |					
		"20130024468" |					
		"20130031731" |					
		"20130031732" |					
		"20130068903" |					
		"20130121783" |					
		"20130127129" |					
		"20130146551" |					
		"20130154218" |					

		"20130206139" | "20130223971" | "20140062042" | "20140069832" | "20140076759" | "20140123478" | "20140161518" | "20140166516" | "20140197059" | "20140360957" | "20150014949" | "20150034515" | "20150151427" | "20150274362" | "20150310842" | "20150376917" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20160207441" | "20160213115" | "20160221177" | "20170065355" | "20170098513" | "20170121056" | "20170138382" | "20170158216" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20170349013" | "20180000234" | "20180044059" | "20180099405" | "20180127007" | "20180153312" | "20180161975" | "20180186513" | "20180213934" | "20180220758" | "20180229889" | "20180290288" | "20190001482" | "20190002004" | "20190031222" | "20190039781" | "20190106244" | "20190168376" | "20190225371" | "20190225374" | "20200029543" | "20200055534" |				

		"20200078929" | "20200147781" | "20200165036" | "20200223585" | "20200243925" | "20200299027" | "20200346819" | "20210025706" | "20210031975" | "20210039831" | "20210094600" | "20210104909" | "20210155373" | "20210187725" | "20210221561" | "20210267368" | "20210316909").pn. OR ("11464335").urpn. AND (PGPB | USPT | USOC).dbnm.					
L66	553	("0495537" | "0509839" | "1081378" | "1084360" | "1112943" | "1488460" | "1704480" | "0D85986" | "2042387" | "2100036" | "2103106" | "2124541" | "2210235" | "2372845" | "2386343" | "2430200" | "2448300" | "2558126" | "2588009" | "2733076" | "2814402" | "2939613" | "2970358" | "3005282" | "3117692" | "3186585" | "3201035" | "3225865" | "3370236" | "3423786" | "3424334" | "3506321" | "3514170" | "3550908" | "3552817" | "3567298" | "3685866" | "3743372" | "D232798" | "3835623" | "3851936" | "3935613" | "3974898" | "3999818" | "4043566" | "4122925" | "4168076" | "4243279" | "4303367" | "4363496" | "4491231" | "4524985" | "4564732" | "4577772" | "D285986" | "4639005" | "4643494" | "4660725" | "4673070" | "4684034" | "4693345" | "4735107" | "4744474" | "4790549" | "4805859" | "4817237" | "4929973" | "4971201" | "5035389" | "5035445" | "D319016" | "5098235" | "D325324" | "5105947"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/10 08:48 PM

		| "D326815" | "5154291" | "5240264" | "D340167" | "5282554" | "5301829" | "5325966" | "5356038" | "5356105" | "D352208" | "5375709" | "5429235" | "5429260" | "5433416" | "D361511" | "5454634" | "5538213" | "5595228" | "5608603" | "5622296" | "5628443" | "5653366" | "5664292" | "D395533" | "5775046" | "5797617" | "5850996" | "5890613" | "5906381" | "5951037" | "5957421" | "D415393" | "5988473" | "D420860" | "6036071" | "6050660" | "6082539" | "6082687" | "6085925" | "6098858" | "6109627" | "6123344" | "6131926" | "6132819" | "6176558" | "6176559" | "D437484" | "D437669" | "6305498" | "6311881" | "6347847" | "6354759" | "6367631" | "6371320" | "6371321" | "6371424" | "D456972" | "6431580" | "6497395" | "6547347" | "6601930" | "6619772" | "6637707" | "6641013" | "6666362" | "6889838" | "6945546" | "6948691" | "6983946" | "7007903" | "7044484" | "7063496" | "7066475" | "7077372" | "D525789" | "D527225" | "7083061" | "7090085" | "7121417" | "7147243" | "7152752" | "D536580" | "7172164" | "7219969" | "D545697" | "7263742" | "7350648" | "7367571" | "7416193" | "7431172" | "7448115" | "7490800" | "7503569" | "7658887" | "7690856" | "7757913" | "7779764" | "7780026" | "D627967" | "7837165" | "7841144" | "D630851" | "8028845" | "D649350" | "D649783" | "D653832" | "8132819" | "8177463" | "D661858" | "8191910" | "D663952" | "D664354" | "D668869" | "8292244" |				

		"D674605" | "8448829" | "8454033" | "8459495" | "8505729" | "8567796" | "8590704" | "8602217" | "8640913" | "8657307" | "8677661" | "D701696" | "8689396" | "8714355" | "8813960" | "8844949" | "8851282" | "8875888" | "8894160" | "8924752" | "8925752" | "8974139" | "8979100" | "8985922" | "9089964" | "D738105" | "D738106" | "D738622" | "9132543" | "D753394" | "D753395" | "D753396" | "D753982" | "D765974" | "9447804" | "D770179" | "9506489" | "9511491" | "D777426" | "9551367" | "9566990" | "D784089" | "9616562" | "9643629" | "D790221" | "9701443" | "9725209" | "9776651" | "D803631" | "9850029" | "D806483" | "9872562" | "9888752" | "D814187" | "D815831" | "9950724" | "D816334" | "10017134" | "D826510" | "RE47022" | "D828671" | "D831352" | "10106180" | "D833744" | "D836995" | "D837515" | "D839681" | "10222172" | "D845080" | "D845081" | "10336359" | "D857387" | "10406387" | "10434638" | "D871013" | "D873085" | "D876833" | "10583962" | "10593962" | "10603783" | "D880252" | "D880951" | "D883752" | "D887788" | "D888422" | "D888503" | "D891193" | "D891195" | "10703534" | "D891875" | "D892565" | "D895375" | "10750833" | "D895966" | "D895967" | "D896517" | "D896518" | "D897103" | "10758065"				

		| "D898320" | "10793172" | "10829268" | "10829269" | "10894314" | "10933501" | "10962218" | "10981696" | "D917977" | "D918584" | "D919296" | "11008136" | "D920671" | "11027883" | "D923935" | "11059631" | "11066089" | "11124347" | "D932186" | "11155382" | "D936030" | "11192690" | "D941020" | "11230410" | "11253037" | "11283117" | "11338959" | "11365026" | "11385055" | "11426859" | "D967693" | "11464335" | "11510486" | "11529985" | "11530716" | "11554898" | "11612998" | "20020000440" | "20020030425" | "20020125072" | "20020171228" | "20030075468" | "20030094392" | "20030094393" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040074725" | "20040103494" | "20040149754" | "20040195793" | "20040206656" | "20040256529" | "20050015928" | "20050062244" | "20050082775" | "20050104308" | "20050139745" | "20050242144" | "20060006770" | "20060027475" | "20060038367" | "20060076261" |				

		"20060113303" | "20060119060" | "20060165482" | "20060186624" | "20060254946" | "20070006542" | "20070012694" | "20070045505" | "20070068757" | "20070090616" | "20070138041" | "20070145700" | "20070194543" | "20070273114" | "20080060953" | "20080104921" | "20080115312" | "20080121547" | "20080134607" | "20080136133" | "20080169667" | "20080169739" | "20080271280" | "20080277221" | "20080280523" | "20080296443" | "20080308369" | "20090026901" | "20090044827" | "20090071990" | "20090127146" | "20090145790" | "20090145866" | "20090145913" | "20090178946" | "20090236482" | "20090288970" | "20100052276" | "20100139566" | "20100147642" | "20100176261" | "20100219193" | "20100224528" | "20100254757" | "20100290877" | "20110049824" | "20110073516" | "20110127736" | "20110139665" | "20110139777" | "20110155613" | "20110174939" | "20110181008" | "20110220531" | "20120073995" | "20120074022" | "20120074158" | "20120080432"				

		"20120152800" | "20120152944" | "20120160886" | "20120180250" | "20120207571" | "20120292213" | "20120326406" | "20130024468" | "20130031731" | "20130031732" | "20130068903" | "20130121783" | "20130127129" | "20130146551" | "20130154218" | "20130206139" | "20130223971" | "20130239509" | "20140062042" | "20140069832" | "20140076759" | "20140123478" | "20140161518" | "20140166516" | "20140197059" | "20140205373" | "20150014949" | "20150034515" | "20150151427" | "20150274362" | "20150310842" | "20150376917" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20160213115" | "20160221177" | "20170065355" | "20170098513" | "20170120679" | "20170121056" | "20170138382" | "20170143090" | "20170158216" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20170349013" | "20180000234" | "20180031019" | "20180044059" | "20180099405" |				

		"20180127007" | "20180153312" | "20180161975" | "20180186513" | "20180213934" | "20180220758" | "20180229889" | "20180290288" | "20190001482" | "20190002004" | "20190031222" | "20190039781" | "20190106244" | "20190168376" | "20190225371" | "20190225374" | "20200029543" | "20200055534" | "20200063776" | "20200078929" | "20200146447" | "20200147781" | "20200165036" | "20200223585" | "20200243925" | "20200299027" | "20200346819" | "20200038350" | "20200383507" | "20210025706" | "20210031975" | "20210039831" | "20210094600" | "20210104909" | "20210104914" | "20210154824" | "20210155373" | "20210187725" | "20210221561" | "20210267368" | "20210316909" | "20210360803" | "20220097926" | "20220117393" | "20220240671" | "20220258324" | "20220369781" | "20220402113" | "20230027343" | "20230036215" | "20230136626").pn. OR ("11840269").urpn. AND (PGPB | USPT | USOC).dbnm.					
L67	1971	(Milwaukee ADJ Electric ADJ Tool).as.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 05:32 PM
L68	0	("11840269").urpn.	(US-PGPUB; USPAT;	OR	ON	ON	2024/02/12

		AND (PGPB | USPT | USOC).dbnm.	USOCR)				05:33 PM
L69	553	("0495537" | "0509839" | "1081378" | "1084360" | "1112943" | "1488460" | "1704480" | "0D85986" | "2042387" | "2100036" | "2103106" | "2124541" | "2210235" | "2372845" | "2386343" | "2430200" | "2448300" | "2558126" | "2588009" | "2733076" | "2814402" | "2939613" | "2970358" | "3005282" | "3117692" | "3186585" | "3201035" | "3225865" | "3370236" | "3423786" | "3424334" | "3506321" | "3514170" | "3550908" | "3552817" | "3567298" | "3685866" | "3743372" | "D232798" | "3835623" | "3851936" | "3935613" | "3974898" | "3999818" | "4043566" | "4122925" | "4168076" | "4243279" | "4303367" | "4363496" | "4491231" | "4524985" | "4564732" | "4577772" | "D285986" | "4639005" | "4643494" | "4660725" | "4673070" | "4684034" | "4693345" | "4735107" | "4744474" | "4790549" | "4805859" | "4817237" | "4929973" | "4971201" | "5035389" | "5035445" | "D319016" | "5098235" | "D325324" | "5105947" | "D326815" | "5154291" | "5240264" | "D340167" | "5282554" | "5301829" | "5325966" | "5356038" | "5356105" | "D352208" | "5375709" | "5429235" | "5429260" | "5433416" | "D361511" | "5454634" | "5538213" | "5595228" | "5608603" | "5622296" | "5628443" | "5653366" | "5664292" | "D395533" | "5775046" | "5797617" | "5850996" | "5890613" | "5906381" | "5951037" | "5957421" | "D415393" | "5988473" | "D420860" | "6036071" | "6050660"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 05:33 PM

		| "6082539" | "6082687" | "6085925" | "6098858" | "6109627" | "6123344" | "6131926" | "6132819" | "6176558" | "6176559" | "D437484" | "D437669" | "6305498" | "6311881" | "6347847" | "6354759" | "6367631" | "6371320" | "6371321" | "6371424" | "D456972" | "6431580" | "6497395" | "6547347" | "6601930" | "6619772" | "6637707" | "6641013" | "6666362" | "6889838" | "6945546" | "6948691" | "6983946" | "7007903" | "7044484" | "7063496" | "7066475" | "7077372" | "D525789" | "D527225" | "7083061" | "7090085" | "7121417" | "7147243" | "7152752" | "D536580" | "7172164" | "7219969" | "D545697" | "7263742" | "7350648" | "7367571" | "7416193" | "7431172" | "7448115" | "7490800" | "7503569" | "7658887" | "7690856" | "7757913" | "7779764" | "7780026" | "D627967" | "7837165" | "7841144" | "D630851" | "8028845" | "D649350" | "D649783" | "D653832" | "8132819" | "8177463" | "D661858" | "8191910" | "D663952" | "D664354" | "D668869" | "8292244" | "D674605" | "8448829" | "8454033" | "8459495" | "8505729" | "8567796" | "8590704" | "8602217" | "8640913" | "8657307" | "8677661" | "D701696" | "8689396" | "8714355" | "8813960" | "8844949" | "8851282" | "8875888" | "8894160" | "8924752" | "8925752" | "8974139" | "8979100" | "8985922" | "9089964" | "D738105" | "D738106" | "D738622" | "9132543" | "D753394" | "D753395" | "D753396" | "D753982" | "D765974" | "9447804"				

		| "D770179" | "9506489" | "9511491" | "D777426" | "9551367" | "9566990" | "D784089" | "9616562" | "9643629" | "D790221" | "9701443" | "9725209" | "9776651" | "D803631" | "9850029" | "D806483" | "9872562" | "9888752" | "D814187" | "D815831" | "9950724" | "D816334" | "10017134" | "D826510" | "RE47022" | "D828671" | "D831352" | "10106180" | "D833744" | "D836995" | "D837515" | "D839681" | "10222172" | "D845080" | "D845081" | "10336359" | "D857387" | "10406387" | "10434638" | "D871013" | "D873085" | "D876833" | "10583962" | "10593962" | "10603783" | "D880252" | "D880951" | "D883752" | "D887788" | "D888422" | "D888503" | "D891193" | "D891195" | "10703534" | "D891875" | "D892565" | "D895375" | "10750833" | "D895966" | "D895967" | "D896517" | "D896518" | "D897103" | "10758065" | "D898320" | "10793172" | "10829268" | "10829269" | "10894314" | "10933501" | "10962218" | "10981696" | "D917977" | "D918584" | "D919296" | "11008136" | "D920671" | "11027883" | "D923935" | "11059631" | "11066089" | "11124347" | "D932186" | "11155382" | "D936030" | "11192690" | "D941020" |					

		"11230410" | "11253037" | "11283117" | "11338959" | "11365026" | "11385055" | "11426859" | "D967693" | "11464335" | "11510486" | "11529985" | "11530716" | "11554898" | "11612998" | "20020000440" | "20020030425" | "20020125072" | "20020171228" | "20030075468" | "20030094392" | "20030094393" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040074725" | "20040103494" | "20040149754" | "20040195793" | "20040206656" | "20040256529" | "20050015928" | "20050062244" | "20050082775" | "20050104308" | "20050139745" | "20050242144" | "20060006770" | "20060027475" | "20060038367" | "20060076261" | "20060113303" | "20060119060" | "20060165482" | "20060186624" | "20060254946" | "20070006542" | "20070012694" | "20070045505" | "20070068757" | "20070090616" | "20070138041" | "20070145700" | "20070194543" | "20070273114" | "20080060953" | "20080104921" | "20080115312" | "20080121547" |				

		"20080134607" | "20080136133" | "20080169667" | "20080169739" | "20080271280" | "20080277221" | "20080280523" | "20080296443" | "20080308369" | "20090026901" | "20090044827" | "20090071990" | "20090127146" | "20090145790" | "20090145866" | "20090145913" | "20090178946" | "20090236482" | "20090288970" | "20100052276" | "20100139566" | "20100147642" | "20100176261" | "20100219193" | "20100224528" | "20100254757" | "20100290877" | "20110049824" | "20110073516" | "20110127736" | "20110139665" | "20110139777" | "20110155613" | "20110174939" | "20110181008" | "20110220531" | "20120073995" | "20120074022" | "20120074158" | "20120080432" | "20120152800" | "20120152944" | "20120160886" | "20120180250" | "20120207571" | "20120292213" | "20120326406" | "20130024468" | "20130031731" | "20130031732" | "20130068903" | "20130121783" | "20130127129" | "20130146551" | "20130154218" | "20130206139" | "20130223971" | "20130239509"				

		"20140062042" | "20140069832" | "20140076759" | "20140123478" | "20140161518" | "20140166516" | "20140197059" | "20140205373" | "20150014949" | "20150034515" | "20150151427" | "20150274362" | "20150310842" | "20150376917" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20160213115" | "20160221177" | "20170065355" | "20170098513" | "20170120679" | "20170121056" | "20170138382" | "20170143090" | "20170158216" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20170349013" | "20180000234" | "20180031019" | "20180044059" | "20180099405" | "20180127007" | "20180153312" | "20180161975" | "20180186513" | "20180213934" | "20180220758" | "20180229889" | "20180290288" | "20190001482" | "20190002004" | "20190031222" | "20190039781" | "20190106244" | "20190168376" | "20190225371" | "20190225374" | "20200029543" | "20200055534" |				

		"20200063776" | "20200078929" | "20200146447" | "20200147781" | "20200165036" | "20200223585" | "20200243925" | "20200299027" | "20200346819" | "20200038350" | "20200383507" | "20210025706" | "20210031975" | "20210039831" | "20210094600" | "20210104909" | "20210104914" | "20210154824" | "20210155373" | "20210187725" | "20210221561" | "20210267368" | "20210316909" | "20210360803" | "20220097926" | "20220117393" | "20220240671" | "20220258324" | "20220369781" | "20220402113" | "20230027343" | "20230036215" | "20230136626").pn. OR ("11840269").urpn. AND (PGPB | USPT | USOC).dbnm.					
L70	4	("2021/0316909").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 05:33 PM
L71	1	("11365026").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 05:33 PM
L72	21	(Artificial Intelligence) More like doc: US-11365026-B2 Text: (US-20220081162-A1 OR US-10981696-B2 OR US-20180161975-A1 OR US-20180186513-A1 OR US-10703534-B2 OR US-20200299027-A1 OR US-20210362906-A1 OR US-11192690-B1 OR US-11027883-B1 OR US-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/02/12 05:33 PM

		20210155374-A1 OR US-10583962-B2 OR US-20210016928-A1 OR US-11465805-B2 OR US-20200223585-A1 OR US-11008136-B2 OR US-20210139197-A1 OR US-20230090819-A1 OR US-20190106244-A1 OR US-11794952-B2 OR US-20220380089-A1).did.	IBM_TDB)				
L73	0	("2021/0104914").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 05:34 PM
L74	5	("2020/0078929").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 05:35 PM
L75	292	(Keter ADJ Plastic).as.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 05:38 PM
L76	257	("2042387" | "2430200" | "2970358" | "3117692" | "3225865" | "3506321" | "D232798" | "3974898" | "4168076" | "4971201" | "5035445" | "D319016" | "5098235" | "D325324" | "5105947" | "D326815" | "5240264" | "D340167" | "5301829" | "D352208" | "5429260" | "D361511" | "5538213" | "5595228" | "5608603" | "5628443" | "D395533" | "5797617" | "5951037" | "D415393" | "5988473" | "D420860" | "6050660" | "6085925" | "6109627" | "6176559" | "D437669" | "6305498" | "6347847" | "6367631" | "6371320" | "D456972" | "6431580" | "6547347" | "6601930" | "6619772" | "6637707" | "6641013" | "6945546" | "6948691" | "6983946" | "7044484" | "7066475" | "D525789" | "D527225" | "7147243" | "D536580" | "7263742" | "7367571" | "7503569" | "7658887" | "7779764" | "7780026" | "7841144" | "D630851" | "8028845" | "D649350" | "D653832" | "8132819" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 05:39 PM

		"8177463" | "D661858" | "8191910" | "D663952" | "D664354" | "D668869" | "D674605" | "8454033" | "8459495" | "8505729" | "8567796" | "8677661" | "D701696" | "8689396" | "8714355" | "8813960" | "8875888" | "8979100" | "8985922" | "D738105" | "D738106" | "9132543" | "D753394" | "D753395" | "D753396" | "D765974" | "D770179" | "9506489" | "9511491" | "D777426" | "9566990" | "D784089" | "9616562" | "9643629" | "D790221" | "9701443" | "9725209" | "D803631" | "D806483" | "9872562" | "D814187" | "D815831" | "D816334" | "D826510" | "D828671" | "D831352" | "10106180" | "D833744" | "D836995" | "D839681" | "D837515" | "D845080" | "D845081" | "D857387" | "10434638" | "D871013" | "D873085" | "10583962" | "D880252" | "D880951" | "D883752" | "D887788" | "D888422" | "D888503" | "D891193" | "D891195" | "D891875" | "D892565" | "D895375" | "D895966" | "D895967" | "D896517" | "D896518" | "20020000440" | "20020125072" | "20020171228" | "20030094393" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040103494" | "20040195793" | "20040206656" | "20050062244" | "20050104308" | "20050139745" | "20060006770" |					

		"20060027475" | "20060038367" | "20060119060" | "20060186624" | "20060254946" | "20070012694" | "20070068757" | "20070090616" | "20070145700" | "20070194543" | "20080104921" | "20080115312" | "20080121547" | "20080134607" | "20080169739" | "20080271280" | "20080277221" | "20080308369" | "20090026901" | "20090071990" | "20090145790" | "20090145866" | "20090145913" | "20090178946" | "20090236482" | "20100052276" | "20100139566" | "20100147642" | "20100219193" | "20100290877" | "20110073516" | "20110139665" | "20110155613" | "20110174939" | "20110181008" | "20110220531" | "20120160886" | "20120180250" | "20120207571" | "20120292213" | "20120326406" | "20130024468" | "20130031731" | "20130031732" | "20130068903" | "20130121783" | "20130127129" | "20130146551" | "20130154218" | "20130223971" | "20140076759" | "20140161518" | "20140166516" | "20150034515" | "20150274362" | "20150376917" | "20160023349" | "20160130034" |				

		"20160144500" | "20160168880" | "20160221177" | "20170121056" | "20170138382" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20170349013" | "20180044059" | "20180099405" | "20180153312" | "20180161975" | "20180186513" | "20180220758" | "20180290288" | "20190002004" | "20190031222" | "20190039781" | "20190106244" | "20190225371" | "20200055534" | "20200147781" | "20200165036" | "20200243925" | "20200299027").pn. OR ("11426859").urpn. AND (PGPB | USPT | USOC).dbnm.					
L77	35	("2018/0220758").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 05:40 PM
L78	20	(Artificial Intelligence) More like doc: US-D896517-S Text: (US-D897103-S OR US-D920671-S OR US-D761022-S OR US-D905861-S OR US-D818772-S OR US-D840045-S OR US-D828926-S OR US-D816321-S OR US-D831923-S OR US-D831920-S OR US-D820552-S OR US-D878494-S OR US-D878495-S OR US-D878491-S OR US-D878490-S OR US-D825194-S OR US-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/12 05:41 PM

		D841932-S OR US-D815357-S OR US-D852621-S OR US-D869845-S).did.					
L79	180	("2042387" | "2430200" | "2970358" | "3117692" | "3506321" | "3974898" | "4168076" | "5035445" | "5105947" | "5240264" | "5301829" | "5429260" | "5595228" | "5608603" | "5628443" | "5797617" | "5951037" | "5988473" | "6050660" | "6085925" | "6109627" | "6176559" | "6347847" | "6367631" | "6371320" | "6431580" | "6547347" | "6601930" | "6619772" | "6637707" | "6641013" | "6945546" | "6948691" | "6983946" | "7044484" | "7066475" | "D525789" | "7147243" | "7263742" | "7367571" | "7503569" | "7658887" | "7780026" | "7841144" | "D630851" | "8028845" | "8132819" | "8177463" | "8191910" | "D663952" | "D664354" | "D674605" | "8454033" | "8459495" | "8677661" | "D701696" | "8689396" | "8714355" | "8813960" | "8875888" | "8985922" | "9132543" | "D753394" | "D753395" | "D765974" | "D770179" | "9506489" | "9566990" | "9616562" | "9643629" | "D790221" | "9701443" | "9872562" | "D814187" | "D833744" | "D837515" | "20020000440" | "20020171228" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040103494" | "20040195793" | "20040206656" | "20050062244" | "20050104308" | "20050139745" | "20060006770" | "20060027475" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 05:41 PM

		"20060038367" | "20060119060" | "20060186624" | "20060254946" | "20070068757" | "20070090616" | "20070145700" | "20070194543" | "20080104921" | "20080115312" | "20080121547" | "20080134607" | "20080169739" | "20080271280" | "20080277221" | "20080308369" | "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" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20170121056" | "20170138382" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20180044059" | "20180161975" |					

		"20180186513" | "20180220758" | "20180290288" | "20190002004" | "20190039781" | "20190106244" | "20190225371").pn. OR ("D896517").urpn. AND (PGPB | USPT | USOC).dbnm.					
L80	38	(Artificial Intelligence) More like doc: US-20050139745-A1 Text: (TW-M249155-U OR US-20070197067-A1 OR US-7518855-B2 OR TW-M598372-U OR US-7488136-B2 OR US-20070258753-A1 OR EP-3208510-B1 OR CN-107178690-A OR CN-107178690-B OR EP-2051512-A1 OR US-20210011514-A1 OR US-20100187377-A1 OR US-8123184-B2 OR JP-2008187600-A OR JP-4946468-B2 OR CN-106932945-A OR US-6954352-B2 OR US-20040160737-A1 OR WO-2008093456-A1 OR CA-2987892-C).did.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/12 05:44 PM
L81	33	("2005/0139745").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 05:44 PM
L82	146	("2708088" | "3878589" | "3915189" | "3931893" | "4450989" | "4461445" | "4858869" | "5026016" | "5035389" | "5078279" | "D329192" | "5344032" | "5356038" | "5433416" | "5435511" | "5452874" | "D386298" | "D386304" | "5765699" | "5915572").pn. OR ("6637707").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 05:45 PM
L83	134	((("Brunner") near3 ("Yaron"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 05:53 PM
L84	126	((("Squiers") near3 ("Grant") near3	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 05:53 PM

		("T"))).INV.					
L85	177	((("Hoppe") near3 ("Christopher") near3 ("S"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 05:54 PM
L86	259	((("Hyma") near3 ("Steven") near3 ("W"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 05:56 PM
L87	9	("11192690"|"20070012694"|"20170120679"|"20170143090"|"20220097926"|"20230136626"|"3201035"|"11192690"|"11426859"|"20170120679"|"20170143090"|"20220097926"|"20230136626"|"3201035").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 06:00 PM
L88	0	(Brunner squires).inv. AND (bumper).inv.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 06:04 PM
L89	11	(Brunner squires).inv. AND (bumper).clm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 06:04 PM
L90	0	("2023/0090819").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 06:05 PM
L91	19	L67 AND bumper.clm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 06:05 PM
L92	496	("0495537" | "0509839" | "1081378" | "1084360" | "2042387" | "2103106" | "2124541" | "2210235" | "2372845" | "2386343" | "2430200" | "2588009" | "2733076" | "2939613" | "2970358" | "3117692" | "3201035" | "3225865" | "3370236" | "3423786" | "3424334" | "3506321" | "3514170" | "3552817" | "3567298" | "3685866" | "3743372" | "D232798" | "3835623" | "3851936" | "3935613" | "3974898" | "3999818" | "4122925" | "4168076" | "4243279" | "4303367" | "4564732" | "D285986" | "4660725" | "4673070" | "4735107" | "4805859" | "4817237" | "4929973" | "4971201" | "5035389" | "5035445" | "D319016" | "5098235" | "D325324" | "5105947" | "D326815" | "5154291" | "5240264" | "D340167" | "5282554" | "5301829" | "5325966" | "5356038"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 06:07 PM

			"5356105" | "D352208" | "5375709" | "5429235" | "5429260" | "5433416" | "D361511" | "5454634" | "5538213" | "5595228" | "5608603" | "5622296" | "5628443" | "5653366" | "5664292" | "D395533" | "5775046" | "5797617" | "5850996" | "5890613" | "5906381" | "5951037" | "5957421" | "D415393" | "5988473" | "D420860" | "6036071" | "6050660" | "6082539" | "6082687" | "6085925" | "6098858" | "6109627" | "6123344" | "6131926" | "6176559" | "D437484" | "D437669" | "6305498" | "6311881" | "6347847" | "6354759" | "6367631" | "6371320" | "6371321" | "6371424" | "D456972" | "6431580" | "6497395" | "6547347" | "6601930" | "6619772" | "6637707" | "6641013" | "6666362" | "6889838" | "6945546" | "6948691" | "6983946" | "7007903" | "7044484" | "7066475" | "7077372" | "D525789" | "D527225" | "7090085" | "7121417" | "7147243" | "7152752" | "D536580" | "7172164" | "7219969" | "7263742" | "7350648" | "7367571" | "7416193" | "7503569" | "7658887" | "7690856" | "7757913" | "7779764" | "7780026" | "7837165" | "7841144" | "D630851" | "8028845" | "D649350" | "D649783" | "D653832" | "8132819" | "8177463" | "D661858" | "8191910" | "D663952" | "D664354" | "D668869" | "8292244" | "D674605" | "8448829" | "8454033" | "8459495" | "8505729" | "8567796" | "8590704" | "8602217" | "8640913" | "8657307" | "8677661" | "D701696" | "8689396" | "8714355" | "8813960" | "8851282" | "8875888"				

		| "8894160" | "8925752" | "8974139" | "8979100" | "8985922" | "9089964" | "D738105" | "D738106" | "D738622" | "9132543" | "D753394" | "D753395" | "D753396" | "D753982" | "D765974" | "9447804" | "D770179" | "9506489" | "9511491" | "D777426" | "9551367" | "9566990" | "D784089" | "9616562" | "9643629" | "D790221" | "9701443" | "9725209" | "9776651" | "D803631" | "9850029" | "D806483" | "9872562" | "9888752" | "D814187" | "D815831" | "D816334" | "10017134" | "D826510" | "RE47022" | "D828671" | "D831352" | "10106180" | "D833744" | "D836995" | "D839681" | "10222172" | "D837515" | "D845080" | "D845081" | "D857387" | "10406387" | "10434638" | "D871013" | "D873085" | "D876833" | "10583962" | "10603783" | "D880252" | "D880951" | "D883752" | "D887788" | "D888422" | "D888503" | "D891193" | "D891195" | "10703534" | "D891875" | "D892565" | "10750833" | "D895375" | "D895966" | "D895967" | "D896517" | "D896518" | "D897103" | "10758065" | "D898320" | "10793172" | "10829269" | "10894314" | "10933501" | "10962218" | "10981696" | "D917977" | "D918584" | "D919296" | "11008136" | "D920671" | "11027883" | "D923935"					

		| "11059631" | "11066089" | "11124347" | "D932186" | "11155382" | "D936030" | "11192690" | "D941020" | "11230410" | "11253037" | "11283117" | "11338959" | "11385055" | "11426859" | "D967693" | "11464335" | "11510486" | "11529985" | "11530716" | "11554898" | "11612998" | "20020000440" | "20020030425" | "20020125072" | "20020171228" | "20030075468" | "20030094392" | "20030094393" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040074725" | "20040103494" | "20040149754" | "20040195793" | "20040206656" | "20040256529" | "20050015928" | "20050062244" | "20050104308" | "20050139745" | "20050242144" | "20060006770" | "20060027475" | "20060038367" | "20060076261" | "20060119060" | "20060165482" | "20060186624" | "20060254946" | "20070006542" | "20070012694" | "20070045505" | "20070068757" | "20070090616" | "20070138041" | "20070145700" | "20070194543" | "20070273114" | "20080060953" |					

		"20080104921" | "20080115312" | "20080121547" | "20080134607" | "20080169667" | "20080169739" | "20080271280" | "20080277221" | "20080280523" | "20080296443" | "20080308369" | "20090026901" | "20090044827" | "20090071990" | "20090127146" | "20090145790" | "20090145866" | "20090145913" | "20090178946" | "20090236482" | "20090288970" | "20100052276" | "20100139566" | "20100147642" | "20100176261" | "20100219193" | "20100224528" | "20100254757" | "20110049824" | "20110073516" | "20110127736" | "20110139665" | "20110139777" | "20110155613" | "20110174939" | "20110181008" | "20110220531" | "20120073995" | "20120074022" | "20120074158" | "20120080432" | "20120152944" | "20120160886" | "20120180250" | "20120207571" | "20120292213" | "20120326406" | "20130024468" | "20130031731" | "20130031732" | "20130068903" | "20130121783" | "20130127129" | "20130146551" | "20130154218" | "20130206139" | "20130223971" | "20130239509" |				

		"20140062042" | "20140069832" | "20140076759" | "20140123478" | "20140161518" | "20140166516" | "20140197059" | "20140205373" | "20150014949" | "20150034515" | "20150151427" | "20150274362" | "20150310842" | "20150376917" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20160213115" | "20160221177" | "20170120679" | "20170121056" | "20170138382" | "20170143090" | "20170158216" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20170349013" | "20180031019" | "20180044059" | "20180099405" | "20180127007" | "20180153312" | "20180161975" | "20180186513" | "20180213934" | "20180220758" | "20180229889" | "20180290288" | "20190001482" | "20190002004" | "20190031222" | "20190039781" | "20190106244" | "20190168376" | "20190225371" | "20200029543" | "20200055534" | "20200063776" | "20200078929" | "20200146447" | "20200147781" |				

		"20200165036" | "20200223585" | "20200243925" | "20200299027" | "20200346819" | "20200383507" | "20210025706" | "20210031975" | "20210039831" | "20210094600" | "20210104909" | "20210104914" | "20210154824" | "20210155373" | "20210187725" | "20210221561" | "20210267368" | "20210316909" | "20210360803" | "20220097926" | "20220117393" | "20220240671" | "20220258324" | "20220369781" | "20220402113" | "20230027343" | "20230036215" | "20230136626").pn. OR ("11794952").urpn. AND (PGPB | USPT | USOC).dbnm.					
L93	0	("11794952").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 06:07 PM
L94	109	brunner.inv. AND keter.as.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 06:08 PM
L95	11	L94 AND bumper	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 06:09 PM
L96	1	L94 AND bumper.clm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 06:11 PM
L97	7	("2020/0029543").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 06:23 PM
L98	35	(Artificial Intelligence) More like doc: US-20200029543-A1 Text: (US-10757927-B2 OR US-20090165358-A1 OR US-9357757-B2 OR US-10568312-B2 OR US-20190059347-A1 OR US-20150021871-A1 OR US-9004274-B2 OR US-20140165450-A1 OR US-10569412-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA,	OR	ON	ON	2024/02/12 06:24 PM

		B1 OR US-2591674-A OR US-20140068998-A1 OR US-20200221679-A1 OR US-10375944-B2 OR US-9433200-B2 OR US-3138891-A OR US-20150150231-A1 OR US-3399009-A OR US-908903-A OR WO-2019130370-A1 OR US-11712795-B2).did.	VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L99	0	("2023/0115200").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/12 06:35 PM
L101	33	((US-20230136626-A1 OR US-20220097926-A1 OR US-20170143090-A1 OR US-20170120679-A1 OR US-20210316909-A1 OR US-20210154824-A1 OR US-20210104914-A1 OR US-20200078929-A1 OR US-20050139745-A1 OR US-20200165036-A1 OR US-20190225371-A1 OR US-20190106244-A1 OR US-20170166352-A1 OR US-20240034378-A1 OR US-20240010390-A1 OR US-20230234212-A1 OR US-20180161975-A1 OR US-20200029543-A1 OR US-20230411975-A1 OR US-20230234211-A1 OR US-20230150725-A1 OR US-20230115200-A1).did. AND PGPB.dbnm.) OR ((US-11426859-B2 OR US-11192690-B1 OR US-11794952-B2 OR US-11840269-B2 OR US-D896517-S OR US-D897103-S OR US-6637707-B1 OR US-10138917-B2 OR US-D932186-S OR US-D920671-S).did. AND USPT.dbnm.) OR ((US-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/12 06:37 PM

		3201035-A).did. AND USOC.dbnm.)					
L102	16	L101 NOT (L25 L52)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/12 06:39 PM
L103	11	((US-20240034378-A1 OR US-20240010390-A1 OR US-20230411975-A1 OR US-20230234211-A1 OR US-20230150725-A1 OR US-20230136626-A1 OR US-20230115200-A1 OR US-20220097926-A1).did. AND PGPB.dbnm.) OR ((US-11840269-B2 OR US-11192690-B1 OR US-10138917-B2).did. AND USPT.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/12 06:40 PM
L104	40	("11192690"|"20070012694"|"20170120679"|"20170143090"|"20220097926"|"20230136626"|"3201035"|"11192690"|"11426859"|"20170120679"|"20170143090"|"20220097926"|"20230136626"|"3201035").PN.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/12 06:40 PM
L105	8	L103 NOT L104	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2024/02/12 06:40 PM

			HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N1	2548	A45C5/14.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/02/12 06:18 PM
N2	523	A45C7/005,0045.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/02/12 06:18 PM
N3	3649	A45C13/02.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/02/12 06:18 PM
N4	489	A45F3/10.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/02/12 06:18 PM
N5	1002	B25H1/04.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/02/12 06:18 PM
N6	1862	B25H3/02,021,023.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/02/12 06:18 PM
N7	992	B62B1/14.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/02/12 06:18 PM
N8	1204	B62B5/067.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/02/12 06:18 PM
N9	1357	B65D21/0223,0209,0228.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/02/12 06:19 PM
N10	83	B65D2255/00.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/02/12 06:19 PM
N11	230	B65H2701/533.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/02/12 06:19 PM

Bibliographic Data

Application No: 18/330,972

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.
06/07/2023	220	3736	066749-3925
RULE			

APPLICANTS

Milwaukee Electric Tool Corporation, Brookfield, WI, UNITED STATES

Keter Plastic LTD., Herzelyia, ISRAEL

INVENTORS

Yaron Brunner,

Grant T. Squiers,

Christopher S. Hoppe,

Steven W. Hyma,

CONTINUING DATA

This application is a CON of 18051749 11/01/2022 PAT 11794952

18051749 is a CON of 17884230 08/09/2022

17884230 is a CON of 17064371 10/06/2020 PAT 11427382

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

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

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

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

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

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

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

06/28/2023

STATE OR COUNTRY

ADDRESS

Reinhart (Milwaukee Tool)

ATTN: TRAVIS MCDONNELL, PARALEGAL
1000 NORTH WATER STREET
SUITE 2100
MILWAUKEE, WI 53202
UNITED STATES

FILING FEE RECEIVED

$6,160

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.
18/330,972	06/07/2023	Yaron Brunner	066749-3925	6782

142078 7590 02/14/2024

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
02/14/2024	ELECTRONIC

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

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

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

IPAdmin@reinhartlaw.com

Decision Granting Request for Prioritized Examination (Track I)	**Application No.** 18/330,972	**Applicant(s)** Brunner et al.	
	Examiner JoAnne L Burke	**Art Unit** OPET	**AIA (FITF) Status** Yes

1. THE REQUEST FILED 25 January 2024 IS **GRANTED** .

   The above-identified application has met the requirements for prioritized examination
   - A. ☐ for an original nonprovisional application (Track I).
   - B. ☑ for an application undergoing continued examination (RCE).

2. **The above-identified application will undergo prioritized examination**. The application will be accorded special status throughout its entire course of prosecution until one of the following occurs:
   - A. filing a **petition for extension of time** to extend the time period for filing a reply;
   - B. filing an **amendment to amend the application to contain more than four independent claims, more than thirty total claims** , or a multiple dependent claim;
   - C. filing a **request for continued examination** ;
   - D. filing a notice of appeal;
   - E. filing a request for suspension of action;
   - F. mailing of a notice of allowance;
   - G. mailing of a final Office action;
   - H. completion of examination as defined in 37 CFR 41.102; or
   - I. abandonment of the application.

Telephone inquiries with regard to this decision should be directed to JoAnne Burke at (571)272-4584. In his/her absence, calls may be directed to Petition Help Desk at (571) 272-3282.

/JOANNE L BURKE/ Lead Paralegal Specialist, OPET	

PTO/SB/30EFS (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

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

Application Number	18/330,972	Filing Date	2023-06-07	Docket Number (if applicable)	066749-3925	Art Unit	3736
First Named Inventor	Yaron Brunner			Examiner Name	GIDEON R WEINERTH		

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

SUBMISSION REQUIRED UNDER 37 CFR 1.114

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

☒ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

☒ Other Final Office Action Response previously filed December 22, 2023

☐ Enclosed

☐ Amendment/Reply

☐ Information Disclosure Statement (IDS)

☐ Affidavit(s)/ Declaration(s)

☐ Other _____

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____
(Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

☒ **The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.**
The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 180882

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

PTO/SB/30EFS (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Signature of Registered U.S. Patent Practitioner			
Signature	/Derek H. Campbell/	Date (YYYY-MM-DD)	2024-01-25
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.

UNITED STATES
PATENT AND TRADEMARK OFFICE

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

ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/330,972	**01/25/2024 02:25:12 PM Z ET**	**066749-3925**

Title of Invention

Utility Assembly and Coupling Mechanism

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6782	FILED BY	Sarah Sesterhenn-Lee
PATENT CENTER #	64083206	AUTHORIZED BY	Derek Campbell
CUSTOMER #	142078	FILING DATE	06/07/2023
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Yaron Brunner

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
DA / 180882	**E20241OE26279510**	**Sarah Sesterhenn-Lee**

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

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
1817	REQUEST FOR PRIORITIZED EXAMINATION	4200.00	1	4200.00
1830	PROCESSING FEE, EXCEPT IN PROVISIONAL APPLICATIONS	140.00	1	140.00
1801	REQUEST FOR CONTINUED EXAMINATION (RCE) - 1ST REQUEST (SEE 37 CFR 1.114)	1360.00	1	1360.00
			TOTAL AMOUNT:	**$5,700.00**

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

Doc Code: TRACK1.REQ
Document Description: TrackOne Request

PTO/AIA/424 (04-14)

CERTIFICATION AND REQUEST FOR PRIORITIZED EXAMINATION UNDER 37 CFR 1.102(e) (Page 1 of 1)

First Named Inventor:	Yaron Brunner	Nonprovisional Application Number (if known):	18/330,972
Title of Invention:	Utility Assembly and Coupling Mechanism		

APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS PRIORITIZED EXAMINATION FOR THE ABOVE-IDENTIFIED APPLICATION.

1. The processing fee set forth in 37 CFR 1.17(i)(1) and the prioritized examination fee set forth in 37 CFR 1.17(c) have been filed with the request. The publication fee requirement is met because that fee, set forth in 37 CFR 1.18(d), is currently $0. The basic filing fee, search fee, and examination fee are filed with the request or have been already been paid. I understand that any required excess claims fees or application size fee must be paid for the application.

2. I understand that the application may not contain, or be amended to contain, more than four independent claims, more than thirty total claims, or any multiple dependent claims, and that any request for an extension of time will cause an outstanding Track I request to be dismissed.

3. The applicable box is checked below:

I. ☐ Original Application (Track One) - Prioritized Examination under § 1.102(e)(1)

i. (a) The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a). This certification and request is being filed with the utility application via EFS-Web.

---OR---

(b) The application is an original nonprovisional plant application filed under 35 U.S.C. 111(a). This certification and request is being filed with the plant application in paper.

ii. An executed inventor's oath or declaration under 37 CFR 1.63 or 37 CFR 1.64 for each inventor, **or** the application data sheet meeting the conditions specified in 37 CFR 1.53(f)(3)(i) is filed with the application.

II. ☑ Request for Continued Examination - Prioritized Examination under § 1.102(e)(2)

i. A request for continued examination has been filed with, or prior to, this form.
ii. If the application is a utility application, this certification and request is being filed via EFS-Web.
iii. The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a), or is a national stage entry under 35 U.S.C. 371.
iv. This certification and request is being filed prior to the mailing of a first Office action responsive to the request for continued examination.
v. No prior request for continued examination has been granted prioritized examination status under 37 CFR 1.102(e)(2).

Signature /Derek H. Campbell/	Date January 25, 2024
Name (Print/Typed) Derek H. Campbell	Practitioner Registration Number 70,608

Note: *This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required.**

☑ *Total of 1 forms are submitted.

Privacy Act Statement

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

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

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

UNITED STATES
PATENT AND TRADEMARK OFFICE

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

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/330,972	**01/25/2024 02:25:12 PM Z ET**	**066749-3925**

Title of Invention

Utility Assembly and Coupling Mechanism

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6782	FILED BY	Sarah Sesterhenn-Lee
PATENT CENTER #	64083206	FILING DATE	06/07/2023
CUSTOMER #	142078	FIRST NAMED INVENTOR	Yaron Brunner
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Derek Campbell

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
066749-3925-Track_One_Request.pdf	2	Track One Request	124 KB
066749-3925-RCE.pdf	3	Request for Continued Examination (RCE)	83 KB

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

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
066749-3925-Track_One_Request.pdf	A165F5618C29706EA8A3C8614F8B9B8ED064AF62DB2649F64B5CF911031613887F174AD92F22E8BBD4C7602AB6A5C30CEF

93677C27785E4922837050793C935F

066749-3925-RCE.pdf

79EB9828DC7EF952DE4E2A0B99E05DEAA5FECD83BAC1D1D
A0CCE94D64388DFFB92640B1C1C6B548C28873E8F0A3C1E2
DD016FEA533E9FA10B4A5F96F68C00318

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/330,972	06/07/2023	Yaron Brunner	066749-3925	6782

142078 7590 01/23/2024

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
01/23/2024	ELECTRONIC

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

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

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

IPAdmin@reinhartlaw.com

Advisory Action Before the Filing of an Appeal Brief	Application No. 18/330,972	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 22 December 2023 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 37 CFR 1.116 and 41.33(a)).
4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).
5. ☐ Applicant's reply has overcome the following rejection(s): _____
6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
7. ☑ For purposes of appeal, the proposed amendment(s):(a) ☑ will not be entered, or (b) ☐ will be entered, and an explanation of how the new or amended claims would be rejected is provided below or appended.

AFFIDAVIT OR OTHER EVIDENCE

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

REQUEST FOR RECONSIDERATION/OTHER

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

STATUS OF CLAIMS

15. The status of the claim(s) is (or will be) as follows:
    Claim(s) allowed:_____.
    Claim(s) objected to:_____.
    Claim(s) rejected:21-37.
    Claim(s) withdrawn from consideration:_____.

/GIDEON R WEINERTH/ Examiner, Art Unit 3736	

Continuation of 3. NOTE: Additional searching and consideration of the amended claims must be made for the twelve other prior filed applications/patents to determine allowability for amended Claims 21 and 34. This was explicitly made clear to applicant in the Interview of December 22, 2023.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation et al.
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	18/330,972
Filing Date:	June 7, 2023
Examiner:	GIDEON R WEINERTH
Art Unit:	3736
Confirmation No:	6782

Mail Stop AF
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 November 29, 2023, 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 9 of this document.

Please amend the application as follows:

Amendments to the Claims:

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

Listing of Claims:

1-20. (Cancelled)

21. (Currently Amended) A container assembly comprising:

a first container comprising:

a first lid pivotally attached to the first container;

a first female coupler at a top face of the first lid;

a first front face, a first side face, an second side face opposite the first side face, the first front face, the first side face, and the second side face collectively partially defining a storage compartment;

a first corner extending between the first front face and the first side face, and a second corner extending between the first front face and the second side face;

a first corner bumper extending outward from the first corner; and

a second corner bumper extending outward from the second corner;

wherein the first corner bumper defines an outer surface that extends past and faces away from each of the first front face and the first side face, and wherein the second corner bumper defines an outer surface that extends past and faces away from each of the first front face and the second side face; and

a first locking latch arresting location; and

a second container comprising:

a male coupler extending from a bottom face of the second container, the male coupler configured to slidingly engage with the first female coupler of the first container, wherein the first female coupler and male coupler engage each other when the first and second containers are slid with respect to each other;

a second lid pivotally attached to the second container; and

a locking latch positionable in a locked position engaging the first locking latch arresting location thereby limiting sliding displacement of the first container with respect to the second container[[.]];

wherein the first female coupler comprises two sidewalls, a back wall, and a first rib, the back wall located between the two sidewalls, the two sidewalls and the back wall projecting above a depressed surface of the top face of the first lid, and the first rib extending away from the back wall in a first direction towards the first front face of the first container;

wherein the second container comprises a second female coupler at a top face of the second lid, the second female coupler comprising two sidewalls, a back wall, and a second rib, the back wall located between the two sidewalls, the two sidewalls and the back wall projecting above a depressed surface of the top face of the second lid, and the second rib extending away from the back wall towards a front face of the second container and the first front face of the first container; and

wherein the first container defines a width axis parallel to the first front face of the first container and the second container defines a width axis parallel to the first front face of the first container, wherein the width axis of the second container is approximately one-half the width axis of the first container.

22. (Previously Presented) The container assembly of claim 21, the first container comprising:

a first rear wall opposite the first front face;

a pair of rear wheels extending past the first rear wall; and

a telescoping handle extending upwards from the first rear wall of the first container.

23. (Previously Presented) The container assembly of claim 22, wherein the first female coupler of the first container and the male coupler of the second container engage each other when the first and second containers are slid with respect to each other along a sliding path defined by the first female coupler and the male coupler.

24. (Previously Presented) The container assembly of claim 23, wherein the sliding path is perpendicular to the first front face and the first rear wall.

25. (Previously Presented) The container assembly of claim 21, the second container comprising:

a second front face, a third side face, and a fourth side face opposite the third side face;

a third corner extending between the second front face and the third side face;

a fourth corner extending between the second front face and the fourth side face;

a third corner bumper extending outward from the third corner, wherein the third corner bumper defines an outer surface that extends past and faces away from each of the second front face and the third side face; and

a fourth corner bumper extending outward from the fourth corner, wherein the fourth corner bumper defines an outer surface that extends past and faces away from each of the second front face and the fourth side face.

26. (Previously Presented) The container assembly of claim 21, wherein the first locking latch arresting location is defined by the first lid of the first container, and wherein the first locking latch arresting location defines a primary longitudinal axis that extends parallel to the first front face of the first container.

27. (Previously Presented) The container assembly of claim 21, the first container comprising a plurality of female couplers including the first female coupler, each of the plurality of female couplers at the top face of the first lid, wherein the plurality of female couplers comprise four female couplers comprising a front row of at least two female couplers aligned with each other in a direction parallel to the first front face of the first container and a rear row of at least two female couplers aligned with each other in the direction parallel to the first front face of the first container.

28. (Previously Presented) The container assembly of claim 21, the first container comprising a first toggle locking latch configured to latch the first lid of the first container in a closed position, and a second toggle locking latch configured to latch the first lid of the first container in a closed position, and the second container comprising a third toggle locking latch configured to latch the second lid of the second container in a closed position, and a fourth toggle locking latch configured to latch the second lid of the second container in a closed position.

29. (Previously Presented) The container assembly of claim 28, wherein the locking latch is coupled to the second container between the second toggle locking latch and the fourth toggle locking latch.

30. (Previously Presented) The container assembly of claim 21, wherein the first locking latch arresting location is defined by the first lid of the first container, and wherein the first locking latch arresting location defines a primary longitudinal axis that extends parallel to the first front face of the first container.

31. (Previously Presented) The container assembly of claim 21, wherein the locking latch is spring biased to engage with the first locking latch arresting location.

32. (Previously Presented) The container assembly of claim 21, the first container comprising a first tiltable carrying handle coupled to the first side face, and the second container comprising a second tiltable carrying handle coupled to a side face of the second container.

33. (Cancelled)

34. (Currently Amended) ~~The container assembly of claim 21,~~ A container assembly comprising:

a first container comprising:

a first lid pivotally attached to the first container;

a first female coupler at a top face of the first lid;

a first front face, a first side face, an second side face opposite the first side face, the first front face, the first side face, and the second side face collectively partially defining a storage compartment;

a first corner extending between the first front face and the first side face, and a second corner extending between the first front face and the second side face;

a first corner bumper extending outward from the first corner; and

a second corner bumper extending outward from the second corner;

wherein the first corner bumper defines an outer surface that extends past and faces away from each of the first front face and the first side face, and wherein the second corner bumper defines an outer surface that extends past and faces away from each of the first front face and the second side face; and

a first locking latch arresting location; and

a second container comprising:

a male coupler extending from a bottom face of the second container, the male coupler configured to slidingly engage with the first female coupler of the first container, wherein the first female coupler and male coupler engage each other when the first and second containers are slid with respect to each other;

a second lid pivotally attached to the second container; and

a locking latch positionable in a locked position engaging the first locking latch arresting location thereby limiting sliding displacement of the first container with respect to the second container;

the first container comprising a plurality of female couplers including the first female coupler, the plurality of female couplers at the top face of the first lid, the first container comprising a second locking latch arresting location; and

the container assembly comprising a third container comprising:

a second male coupler extending from a bottom face of the third container, the second male coupler configured to slidingly engage with one of the plurality of female couplers of the first container, wherein the second male coupler and the at least one of the plurality of female couplers engage each other when the first and second containers are slid with respect to each other;

a third lid pivotally attached to the third container;

a third female coupler at a top face of the ~~first~~ third lid, the third female coupler comprising two sidewalls, a back wall, and a first rib, the back wall located between the two sidewalls, the two sidewalls and the back wall projecting above a depressed surface of the top face of the ~~first~~ third lid, and the first rib extending away from the back wall towards a front face of the third container and the front face of the first container; and

a second locking latch positionable in a locked position engaging the second locking latch arresting location thereby limiting sliding displacement of the third container with respect to the first container.

35. (Previously Presented) The container assembly of claim 34, wherein the first container defines a width axis parallel to the first front face of the first container, the second container defines a width axis parallel to the first front face of the first container, and the third container defines a width axis parallel to the first front face of the first container, wherein the width axis of the second container is approximately one-half the width axis of the first container, and the width axis of the third container is approximately one-half the width axis of the first container.

36. (Previously Presented) The container assembly of claim 21, wherein the first locking latch arresting location is a recess defined in an upward facing surface of the top face of the first lid.

37. (Previously Presented) The container assembly of claim 36, wherein the recess comprises a front wall, a rear wall and a bottom wall extending between the front wall and the

rear wall, wherein a lower face of the locking latch faces the bottom wall of the recess when the locking latch is in the locked position.

REMARKS

This reply is intended to be completely responsive to the Final Office Action dated November 29, 2023.

Status

Claims 21-37 are pending in this application. Claims 21-37 were rejected.

Upon entry of this amendment, claims 21 and 34 will be amended and claim 33 will be cancelled.

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.

Examiner Interview

The undersigned thanks Examiner Weinerth for speaking with the undersigned on December 18, 2023, regarding the double patenting rejection and the amendments to the claims submitted herewith. The claim amendments submitted with this response are the same claim amendments that were provided to Examiner Weinerth for discussion during the Examiner Interview.

During the Examiner Interview we discussed the double patenting rejection based on U.S. Patent No. 11,731,807 and that Applicant submitted a terminal disclaimer in the subject application with respect to U.S. Patent No. 11,794,952. As discussed, U.S. Application No. 18/051,749 issued as U.S. Patent No. 11,794,952, not U.S. Patent No. 11,731,807. Although no formal agreement was reached, based on that conversation it is the understanding of the undersigned that the double patenting rejection should be overcome by the previously filed terminal disclaimer as discussed below.

During the Examiner Interview we also discussed that the only rejections for claims 33-35 were the double patenting rejections, that claim 21 was amended to include the subject matter

of claim 33, and that claim 34 was amended to include the subject matter of 21 and so that the third female coupler is coupled to a top face of the "third lid" rather than the "first lid". Although no formal agreement was reached, based on that conversation it is the understanding of the undersigned that the rejections appear to have been overcome and the claims are in condition for allowance.

Double Patenting

On pages 2-4 of the Office Action, the Examiner has rejected claims 21-31 and 33-35 on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-8 of U.S. Patent No. 11,731,807. Claim 32 is rejected the ground of nonstatutory obviousness-type double patenting as being unpatentable over claim 1 of U.S. Patent No. 11,731,807 in view of Welsh, U.S. Publication No. 2007/0138041.

As noted above and as discussed with the Examiner during the Examiner Interview on December 18, 2023, Applicant respectfully submits that the terminal disclaimer filed on October 24, 2023 in the subject application with respect to U.S. Patent No. 11,794,952 should overcome the double patenting rejection and therefore the double patenting rejection should be withdrawn.

Claim Rejections - 35 U.S.C. § 103

I. Rejection of claims 21, 25-32, and 36-37 under 35 U.S.C. § 103 as being unpatentable over Madsen and Welsh

On pages 4-9 of the Office Action, the Examiner rejected claims 21, 25-32, and 36-37 under 35 U.S.C. § 103 as being unpatentable over Madsen, U.S. Publication No. 2011/0139665, and Welsh, U.S. Publication No. 2007/0138041.

Without conceding the propriety of these rejections, to expedite prosecution of this application Applicant has amended claim 21 to include the subject matter of dependent claim 33. In the Office Action, the only rejection for claim 33 was the non-statutory double patenting rejection, which should be overcome per above.

Accordingly, Applicant respectfully asserts that amended independent claim 21 and related dependent claims are 25-32 and 36-37 are patentable over Madsen and Welsh under 35 U.S.C. § 103.

It should be noted that Applicant has amended independent claim 21 to obtain prompt allowance of claims that were not rejected over Madsen and Welsh under 35 U.S.C. § 103. Applicant reserves the right to pursue the subject matter of the amended or cancelled claims in this or future applications.

II. Rejection of claims 22-24 under 35 U.S.C. § 103 as being unpatentable over Madsen, Welsh and Duvigneau

On pages 8-9 of the Office Action, the Examiner rejected claims 22-24 under 35 U.S.C. § 103 as being unpatentable over Madsen, Welsh and Duvigneau, U.S. Publication No. 2007/012694.

Without conceding the propriety of these rejections, to expedite prosecution of this application Applicant has amended claim 21 to include the subject matter of dependent claim 33. In the Office Action, the only rejection for claim 33 was the non-statutory double patenting rejection, which has been overcome per above.

Duvigneau was cited by the Examiner as allegedly teaching the elements of dependent claims 22 and 23. As such, Applicant respectfully asserts that Duvigneau does not remedy the deficiencies of Madsen and Welsh in relation to amended claim 21.

Accordingly, Applicant respectfully asserts that claims 22-24 are patentable over Madsen, Welsh and Duvigneau under 35 U.S.C. § 103 for at least the same reasons as exist for amended claim 21, from which claims 22-24 depend.

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.

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, 2023

By /Derek H. Campbell/

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

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

UNITED STATES
PATENT AND TRADEMARK OFFICE

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

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/330,972	**12/22/2023 02:55:44 PM Z ET**	**066749-3925**

Title of Invention

Utility Assembly and Coupling Mechanism

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6782	FILED BY	Sarah Sesterhenn-Lee
PATENT CENTER #	63723458	FILING DATE	06/07/2023
CUSTOMER #	142078	FIRST NAMED INVENTOR	Yaron Brunner
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Derek Campbell

Documents

TOTAL DOCUMENTS: 3

DOCUMENT		PAGES	DESCRIPTION	SIZE (KB)
Final_Office_Action_Response_RBVD_066749-3925.pdf		12	-	120 KB
Final_Office_Action_Response_RBVD_066749-3925-A.NE.pdf	(1-1)	1	Response After Final Action	97 KB
Final_Office_Action_Response_RBVD_066749-3925-CLM.pdf	(2-8)	7	Claims	90 KB
Final_Office_Action_Response_RBVD_066749-3925-REM.pdf	(9-12)	4	Applicant Arguments/Remarks Made in an Amendment	84 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
Final_Office_Action_Response_RBVD_066749-3925.pdf	6C545D833DC56938A1BDE90DDDF619F9BA3B59D0F8D8F4567338DB020F31BC2C51B0F41CB8E10C71EE7FD7EB63E7A64E204BA9210E171ECBF2E21344C381DCBB
Final_Office_Action_Response_RBVD_066749-3925-A.NE.pdf	7808D27FE78567C9C194D26411366206E70BE8DFB09DF72C0E4034DE9F0EE48D768C281D6467DDB2F4502B0DD159B442968C1F53742ADDFAD60EDD2F6F066ADE
Final_Office_Action_Response_RBVD_066749-3925-CLM.pdf	CF90ADE47B9C3775B91DC72487939242AE0C61B724C442E6003C371F00A0D967CBD9AD7C48D9391930C6C6240DC3C1D6CAA5581AA3A041C043D4630F38DA0044
Final_Office_Action_Response_RBVD_066749-3925-REM.pdf	632FA919A166B9EF61E71847987D9EFC623E2642CFD610031EAB60FAD3D9A9792B1F48982593B95BFDA1A74FA3FC55239A821C2E28FA55A1A16C6D077A5BE4EF

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/330,972	06/07/2023	Yaron Brunner	066749-3925	6782

142078 7590 12/22/2023

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

EXAMINER	
WEINERTH, GIDEON R	

ART UNIT	PAPER NUMBER
3736	

NOTIFICATION DATE	DELIVERY MODE
12/22/2023	ELECTRONIC

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

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

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

IPAdmin@reinhartlaw.com

Applicant-Initiated Interview Summary	**Application No.** 18/330,972	**Applicant(s)** Brunner et al.		
	Examiner GIDEON R WEINERTH	**Art Unit** 3736	**AIA (First Inventor to File) Status** Yes	**Page** 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	**Title**	**Type**
GIDEON R WEINERTH	Primary Examiner	Telephonic
DEREK CAMPBELL	Attorney	

Date of Interview: 18 December 2023

Issues Discussed:

Non-statutory Double Patenting

Applicant wished to clarify the withdrawal of issue stemming from Application 18051749 previously issued as US 11731807, withdrawn and reissued as 11794952.

Applicant proposed the amendment of Claim 21 to include the subject matter of Claim 33. Furthermore, Claim 34 is amended with similar subject matter relating to locking latches and corner bumpers.

The Examiner agreed that these claims were not rejected over the prior art. However, due to the complexity of the continuations of the patents, additional analysis must be done to ensure no additional double patenting issues and such claim amendments should be considered as an RCE.

☑ Attachment

/GIDEON R WEINERTH/ Examiner, Art Unit 3736	

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

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

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	18/330,972
Filing Date:	June 7, 2023
Examiner:	GIDEON R WEINERTH
Art Unit:	3736
Confirmation No:	6782

PROPOSED DRAFT CLAIMS FOR DISCUSSION DURING EXAMINER INTERVIEW

The following claim amendments are being provided for our Interview scheduled for Monday December 18, 2023, 2:00 EST. These claim amendments are for discussion purposes only.

Listing of Claims:

1-20. (Cancelled)

21. (Currently Amended) A container assembly comprising:

a first container comprising:

a first lid pivotally attached to the first container;

a first female coupler at a top face of the first lid;

a first front face, a first side face, an second side face opposite the first side face, the first front face, the first side face, and the second side face collectively partially defining a storage compartment;

a first corner extending between the first front face and the first side face, and a second corner extending between the first front face and the second side face;

a first corner bumper extending outward from the first corner; and

a second corner bumper extending outward from the second corner;

wherein the first corner bumper defines an outer surface that extends past and faces away from each of the first front face and the first side face, and wherein the second corner bumper defines an outer surface that extends past and faces away from each of the first front face and the second side face; and

a first locking latch arresting location; and

a second container comprising:

a male coupler extending from a bottom face of the second container, the male coupler configured to slidingly engage with the first female coupler of the first container, wherein the first female coupler and male coupler engage each other when the first and second containers are slid with respect to each other;

a second lid pivotally attached to the second container; and

a locking latch positionable in a locked position engaging the first locking latch arresting location thereby limiting sliding displacement of the first container with respect to the second container[[.]];

wherein the first female coupler comprises two sidewalls, a back wall, and a first rib, the back wall located between the two sidewalls, the two sidewalls and the back wall projecting above a depressed surface of the top face of the first lid, and the first rib extending away from the back wall in a first direction towards the first front face of the first container;

wherein the second container comprises a second female coupler at a top face of the second lid, the second female coupler comprising two sidewalls, a back wall, and a second rib, the back wall located between the two sidewalls, the two sidewalls and the back wall projecting above a depressed surface of the top face of the second lid, and the second rib extending away from the back wall towards a front face of the second container and the first front face of the first container; and

wherein the first container defines a width axis parallel to the first front face of the first container and the second container defines a width axis parallel to the first front face of the first container, wherein the width axis of the second container is approximately one-half the width axis of the first container.

22. (Previously Presented) The container assembly of claim 21, the first container comprising:

a first rear wall opposite the first front face;

a pair of rear wheels extending past the first rear wall; and

a telescoping handle extending upwards from the first rear wall of the first container.

23. (Previously Presented) The container assembly of claim 22, wherein the first female coupler of the first container and the male coupler of the second container engage each other when the first and second containers are slid with respect to each other along a sliding path defined by the first female coupler and the male coupler.

24. (Previously Presented) The container assembly of claim 23, wherein the sliding path is perpendicular to the first front face and the first rear wall.

25. (Previously Presented) The container assembly of claim 21, the second container comprising:

a second front face, a third side face, and a fourth side face opposite the third side face;

a third corner extending between the second front face and the third side face;

a fourth corner extending between the second front face and the fourth side face;

a third corner bumper extending outward from the third corner, wherein the third corner bumper defines an outer surface that extends past and faces away from each of the second front face and the third side face; and

a fourth corner bumper extending outward from the fourth corner, wherein the fourth corner bumper defines an outer surface that extends past and faces away from each of the second front face and the fourth side face.

26. (Previously Presented) The container assembly of claim 21, wherein the first locking latch arresting location is defined by the first lid of the first container, and wherein the first locking latch arresting location defines a primary longitudinal axis that extends parallel to the first front face of the first container.

27. (Previously Presented) The container assembly of claim 21, the first container comprising a plurality of female couplers including the first female coupler, each of the plurality of female couplers at the top face of the first lid, wherein the plurality of female couplers comprise four female couplers comprising a front row of at least two female couplers aligned with each other in a direction parallel to the first front face of the first container and a rear row of at least two female couplers aligned with each other in the direction parallel to the first front face of the first container.

28. (Previously Presented) The container assembly of claim 21, the first container comprising a first toggle locking latch configured to latch the first lid of the first container in a closed position, and a second toggle locking latch configured to latch the first lid of the first container in a closed position, and the second container comprising a third toggle locking latch configured to latch the second lid of the second container in a closed position, and a fourth toggle locking latch configured to latch the second lid of the second container in a closed position.

29. (Previously Presented) The container assembly of claim 28, wherein the locking latch is coupled to the second container between the second toggle locking latch and the fourth toggle locking latch.

30. (Previously Presented) The container assembly of claim 21, wherein the first locking latch arresting location is defined by the first lid of the first container, and wherein the first locking latch arresting location defines a primary longitudinal axis that extends parallel to the first front face of the first container.

31. (Previously Presented) The container assembly of claim 21, wherein the locking latch is spring biased to engage with the first locking latch arresting location.

32. (Previously Presented) The container assembly of claim 21, the first container comprising a first tiltable carrying handle coupled to the first side face, and the second container comprising a second tiltable carrying handle coupled to a side face of the second container.

33. (Cancelled) ~~The container assembly of claim 21,~~

~~wherein the first female coupler comprises two sidewalls, a back wall, and a first rib, the back wall located between the two sidewalls, the two sidewalls and the back wall projecting above a depressed surface of the top face of the first lid, and the first rib extending away from the back wall in a first direction towards the first front face of the first container;~~

~~wherein the second container comprises a second female coupler at a top face of the second lid, the second female coupler comprising two sidewalls, a back wall, and a second rib, the back wall located between the two sidewalls, the two sidewalls and the back wall projecting above a depressed surface of the top face of the second lid, and the second rib extending away from the back wall towards a front face of the second container and the first front face of the first container; and~~

~~wherein the first container defines a width axis parallel to the first front face of the first container and the second container defines a width axis parallel to the first front face of the first container, wherein the width axis of the second container is approximately one-half the width axis of the first container.~~

34. (Currently Amended) ~~The container assembly of claim 21,~~ A container assembly comprising:

a first container comprising:

a first lid pivotally attached to the first container;

a first female coupler at a top face of the first lid;

a first front face, a first side face, an second side face opposite the first side face, the first front face, the first side face, and the second side face collectively partially defining a storage compartment;

a first corner extending between the first front face and the first side face, and a second corner extending between the first front face and the second side face;

a first corner bumper extending outward from the first corner; and

a second corner bumper extending outward from the second corner;

wherein the first corner bumper defines an outer surface that extends past and faces away from each of the first front face and the first side face, and wherein the second corner bumper defines an outer surface that extends past and faces away from each of the first front face and the second side face; and

a first locking latch arresting location; and

a second container comprising:

a male coupler extending from a bottom face of the second container, the male coupler configured to slidingly engage with the first female coupler of the first container, wherein the first female coupler and male coupler engage each other when the first and second containers are slid with respect to each other;

a second lid pivotally attached to the second container; and

a locking latch positionable in a locked position engaging the first locking latch arresting location thereby limiting sliding displacement of the first container with respect to the second container;

the first container comprising a plurality of female couplers including the first female coupler, the plurality of female couplers at the top face of the first lid, the first container comprising a second locking latch arresting location; and

the container assembly comprising a third container comprising:

a second male coupler extending from a bottom face of the third container, the second male coupler configured to slidingly engage with one of the plurality of female couplers of the first container, wherein the second male coupler and the at least one of the plurality of female couplers engage each other when the first and second containers are slid with respect to each other;

a third lid pivotally attached to the third container;

a third female coupler at a top face of the ~~first~~ third lid, the third female coupler comprising two sidewalls, a back wall, and a first rib, the back wall located between the two sidewalls, the two sidewalls and the back wall projecting above a depressed surface of the top face of the ~~first~~ third lid, and the first rib extending away from the back wall towards a front face of the third container and the front face of the first container; and

a second locking latch positionable in a locked position engaging the second locking latch arresting location thereby limiting sliding displacement of the third container with respect to the first container.

35. (Previously Presented) The container assembly of claim 34, wherein the first container defines a width axis parallel to the first front face of the first container, the second container defines a width axis parallel to the first front face of the first container, and the third container defines a width axis parallel to the first front face of the first container, wherein the width axis of the second container is approximately one-half the width axis of the first container, and the width axis of the third container is approximately one-half the width axis of the first container.

36. (Previously Presented) The container assembly of claim 21, wherein the first locking latch arresting location is a recess defined in an upward facing surface of the top face of the first lid.

37. (Previously Presented) The container assembly of claim 36, wherein the recess comprises a front wall, a rear wall and a bottom wall extending between the front wall and the rear wall, wherein a lower face of the locking latch faces the bottom wall of the recess when the locking latch is in the locked position.

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 18/330,972	Filing Date 06/07/2023	☐ 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	12/22/2023	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 16	Minus	** 20	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 2	Minus	*** 3	= 0		x $480 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	0

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

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

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

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation et al.
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	18/330,972
Filing Date:	June 7, 2023
Examiner:	GIDEON R WEINERTH
Art Unit:	3736
Confirmation No:	6782

Mail Stop AF
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 November 29, 2023, 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 9 of this document.

Please amend the application as follows:

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.
18/330,972	06/07/2023	Yaron Brunner	066749-3925	6782

142078 7590 11/29/2023

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

EXAMINER
WEINERTH, GIDEON R

ART UNIT	PAPER NUMBER
3736	

NOTIFICATION DATE	DELIVERY MODE
11/29/2023	ELECTRONIC

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

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

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

IPAdmin@reinhartlaw.com

Office Action Summary	Application No. 18/330,972	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 24 October 2023.

☐ 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) 21-37 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) 21-37 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 _____ 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 10/24/2023.

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

4) ☐ Other: _____.

DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

Response to Amendment

2. In the Amended Claims of October 24, 2023, Claims 21-37 are pending. Claims 36 and 37 are new.

Double Patenting

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

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on nonstatutory double patenting provided the reference application or patent either is shown to be

commonly owned with the examined application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. See MPEP § 717.02 for applications subject to examination under the first inventor to file provisions of the AIA as explained in MPEP § 2159. See MPEP § 2146 *et seq.* for applications not subject to examination under the first inventor to file provisions of the AIA. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The filing of a terminal disclaimer by itself is not a complete reply to a nonstatutory double patenting (NSDP) rejection. A complete reply requires that the terminal disclaimer be accompanied by a reply requesting reconsideration of the prior Office action. Even where the NSDP rejection is provisional the reply must be complete. See MPEP § 804, subsection I.B.1. For a reply to a non-final Office action, see 37 CFR 1.111(a). For a reply to final Office action, see 37 CFR 1.113(c). A request for reconsideration while not provided for in 37 CFR 1.113(c) may be filed after final for consideration. See MPEP §§ 706.07(e) and 714.13.

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

3. Claims 21-31, 33-35 rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-8 of U.S. Patent No. 11731807. Although the claims at issue are not identical, they are not patentably distinct from each other because there is only a slight wording difference between the claims (such as male coupler vs. tongue).

4. Claim 32 is rejected on the ground of nonstatutory double patenting as being unpatentable over claim 1 of U.S. Patent No. 11731807 in view of Welsh (US 2007/0138041).

5. Claim 32 recites a tiltable/pivoting handle. However, as shown in Welsh, this feature is commonplace and would be obvious to implement as an obvious variation.

6. In the Remarks and Arguments of October 24, 2023, Applicant states that Application 18/051749 has been withdrawn from issue. There is no record of any withdrawal of issue in the Application History.

Claim Rejections - 35 USC § 103

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

8. Claims 21 and 25-32 are rejected under 35 U.S.C. 103 as being unpatentable over Madsen (US 2011/0139665) in view of Welsh (US 2007/0138041).

9. Regarding Claim 21, Madsen discloses a first container (10) comprising a first female coupler (4, 14) at a top face of the first lid, a first front face, a first side face, an second side face opposite the first side face, the first front face, the first side face, and the second side face collectively partially defining a storage compartment and a first corner extending between the first front face and the first side face. A second corner

extends between the first front face and the second side face. Madsen also discloses a second container comprising a male coupler (2) extending from a bottom face of the second container, the male coupler configured to slide- engage with the first female coupler of the first container, wherein the first female coupler and male coupler engage each other when the first and second containers are slid with respect to each other.

10. Madsen also discloses a first locking latch arresting location (19) and a locking latch (7, 19) positionable in a locked position engaging the first locking latch arresting location thereby limiting sliding displacement of the first container with respect to the second container (Paragraph 0051).

11. Madsen does not disclose pivotable lids or a first corner bumper extending outward from the first corner and a second corner bumper extending outward from the second corner wherein the first corner bumper defines an outer surface that extends past and faces away from each of the first front face and the first side face, and wherein the second corner bumper defines an outer surface that extends past and faces away from each of the first front face and the second side face and a second corner bumper extending outward from the second corner wherein the first corner bumper defines an outer surface that extends past and faces away from each of the first front face and the first side face, and wherein the second corner bumper defines an outer surface that extends past and faces away from each of the first front face and the second side face.

12. Welsh discloses a similar carrying case and tool box comprising a hinged lid (Paragraph 0015) and corner bumpers (70 – Paragraphs 0026, 0030). Madsen and Welsh are analogous inventions in the art of tool storage containers.

13. 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 stacking and locking boxes of Madsen with the corner bumpers of Welsh in order to cushion an impact load exerted on the case if the case is dropped on a hard surface (Paragraph 006). Furthermore, the use of hinged lids and covers are commonplace in the art of tool storage containers and one having ordinary skill in the art would recognize and find obvious the implementation of a hinge connected lid and body as disclosed in Welsh into the stacking containers of Madsen as the simple substitution of one known box and lid construction for another.

14. Regarding Claim 25, the second container of Madsen includes a second front face, a third side face, and a fourth side face opposite the third side face. The rectangular container of Madsen further comprises a third corner extending between the second front face and the third side face and a fourth corner extending between the second front face and the fourth side face. As disclosed in Welsh, these corners may include corner bumpers to protect the case against impact as discussed above.

15. Regarding Claim 26, Madsen discloses the first locking latch arresting location is defined by the top of the first container, and wherein the first locking latch arresting location defines a primary longitudinal axis that extends parallel to the first front face of the first container. The top of Madsen may be a hinged lid as disclosed in Welsh as an obvious variation.

16. Regarding Claim 27, while Madsen discloses a singular female coupler, Madsen does not disclose a plurality of female couplers including the first female coupler, each of the plurality of female couplers at the top face of the first lid, wherein the plurality of female couplers comprise four female couplers comprising a front row of at least two

female couplers aligned with each other in a direction parallel to the first front face of the first container and a rear row of at least two female couplers aligned with each other in the direction parallel to the first front face of the first container. However, a person having ordinary skill in the art would be capable of providing a plurality of female couplers as an obvious variation in the duplication of parts that would provide no unexpected results. Please see MPEP 2144.04 VI Section B.

17. Regarding Claim 28, Madsen and Welsh do not disclose a first toggle locking latch configured to latch the first lid of the first container in a closed position, and a second toggle locking latch configured to latch the first lid of the first container in a closed position, and the second container comprising a third toggle locking latch configured to latch the second lid of the second container in a closed position, and a fourth toggle locking latch configured to latch the second lid of the second container in a closed position. However, the use of toggle latches to secure lids to container bodies is common in the art and would provide no unexpected results in the functioning of the container. Therefore, as a matter of official notice, a person having ordinary skill in the art would implement toggle locking latches as an obvious variation to secure the lids to the container bodies. Please see Ben-Gigi (US 2015/0151427) Element 34.

18. Regarding Claim 29, a person having ordinary skill in the art would be capable of positioning locking latch to be between the toggle locking latches as an obvious variation in the rearrangement of parts that would provide only predictable results.

19. Regarding Claim 30, Madsen discloses the first locking latch arresting location is defined by the first lid of the first container, and wherein the first locking latch arresting

location defines a primary longitudinal axis that extends parallel to the first front face of the first container.

20. Regarding Claim 31, Madsen discloses the locking latch is spring biased to engage with the first locking latch arresting location.

21. Regarding Claim 32, Welsh discloses the containers comprise a pivoting carrying handle (60) coupled to the first side face (Paragraph 0023). This pivoting handle may also be implemented in the second container at a side face of the second container as an obvious variation of known handle configurations in similar toolboxes.

22. Regarding Claim 36, Madsen discloses the first locking latch arresting location is a bore defined in an upward facing surface of the top face of the first lid and not a recessed indent as disclosed by Applicant. However, a person having ordinary skill in the art would recognize that either the bore channel of Madsen or Applicant's claimed recess serves the identical function of receiving a locking member to fix relative movement of the stacked cases. Therefore, to change the bore channel of Madsen to the recess claimed by Applicant is the simple substitution of one known receiving element for another to obtain the identical result of selectively receiving an actuatable latch member and hold the stacked toolboxes in place.

23. Regarding Claim 37, while Madsen does not disclose the recess comprises a front wall, a rear wall and a bottom wall extending between the front wall and the rear wall, wherein a lower face of the locking latch faces the bottom wall of the recess when the locking latch is in the locked position, a person having ordinary skill in the art would recognize and find obvious that the configuration of the locking recess/bore may be

varied as an obvious variation that would have no impact on the function of the toolbox locking feature.

24. Claim 22-24 is rejected under 35 U.S.C. 103 as being unpatentable over Modified Madsen (US 2011/0139665) in view of Welsh (US 2007/0138041) as applied to claim 21 above, and further in view of Duvigneau (US 2007/0012694).

25. Regarding Claim 22, Madsen in view of Welsh discloses the limitations of Claim 21 as discussed above. While Madsen discloses a first rear wall opposite the first front face and a pair of rear wheels (20) extending past the first rear wall (Paragraph 0056), Madsen does not disclose a telescoping handle extending upwards from the first rear wall of the first container.

26. Duvigneau discloses a similar stacking portable container assembly comprising rear wheels (40) and a telescoping handle (46,47). Modified Madsen and Duvigneu are analogous inventions in the art of wheeled portable tool containers.

27. 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 wheeled container of Modified Madsen with the telescoping handle of Duvigneau in order to facilitate displacement of the tool containers by pulling and tilting the containers over the rear wheels (Paragraph 0036).

28. Regarding Claim 23, Madsen discloses the first female coupler of the first container and the male coupler of the second container engage each other when the first and second containers are slid with respect to each other along a sliding path defined by the first female coupler and the male coupler.

29. Regarding Claim 24, Madsen discloses the sliding path is perpendicular to the first front face and the first rear wall.

Response to Arguments

30. Applicant's arguments filed 10/24/2023 have been fully considered but they are not persuasive.

31. On Page 8, Applicant asserts that the corner bumpers (70) of Welsh are incompatible with the design of the stacking features of Madsen. Applicant believes that because the uppermost and lowermost surfaces of the bumpers (70) are the uppermost and lowermost surfaces of the container in Welsh, they cannot be integrated into the design of Madsen because the bumper would interfere with the relative protrusion distances of the interlocking features disclosed in Madsen. On Page 9, Applicant asserts that neither Welsh nor Madsen teach a container design including corner protectors that are compatible with male and female couplers. To include corner protectors seen in one toolbox into a stacking toolbox design would be impermissible hindsight.

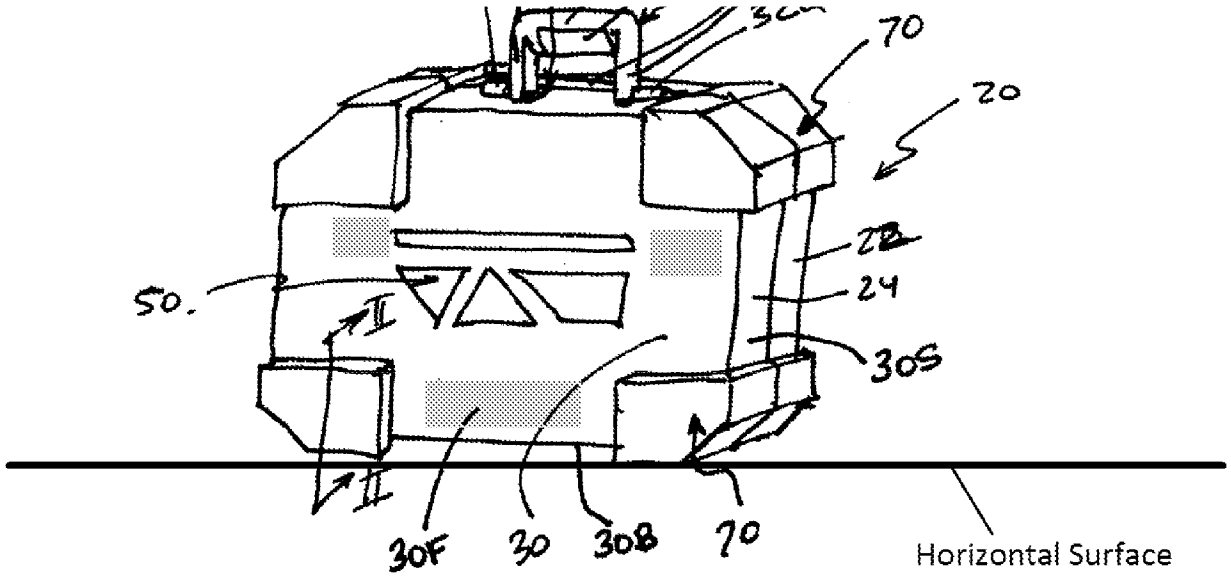
32. The Examiner disagrees.

33. In response to applicant's argument that the examiner's conclusion of obviousness is based upon improper hindsight reasoning, it must be recognized that any judgment on obviousness is in a sense necessarily a reconstruction based upon hindsight reasoning. But so long as it takes into account only knowledge which was within the level of ordinary skill at the time the claimed invention was made, and does not include knowledge gleaned only from the applicant's disclosure, such a

reconstruction is proper. See In re McLaughlin, 443 F.2d 1392, 170 USPQ 209 (CCPA 1971).

34. Furthermore, the Examiner is unpersuaded that Applicant believes that the corner bumpers of Welsh would fail to protect the bottom surface of the toolbox disclosed in Madsen. As shown below, the corner bumpers of Welsh would protect the bottom surface (30B) and uppermost surface of the toolbox when the toolbox is in ***a vertical position***. This would not impact the location of the interlocking male-female members positioned on the major face of the toolbox as seen in Madsen. Therefore, the Examiner does not believe that the bottom surface of Welsh (being when the toolbox is vertical) stated to be protected by corner bumpers is analogous to the bottom surface of Madsen which provides for stacking of the toolbox when in a horizontal position with the uppermost and bottommost surfaces being the major planar surfaces of the toolbox.

35. Furthermore, the Examiner believes that the use of corner bumpers would not interfere with the stacking feature of Madsen so long as the dimensions of the bumpers are less than that of the male members.



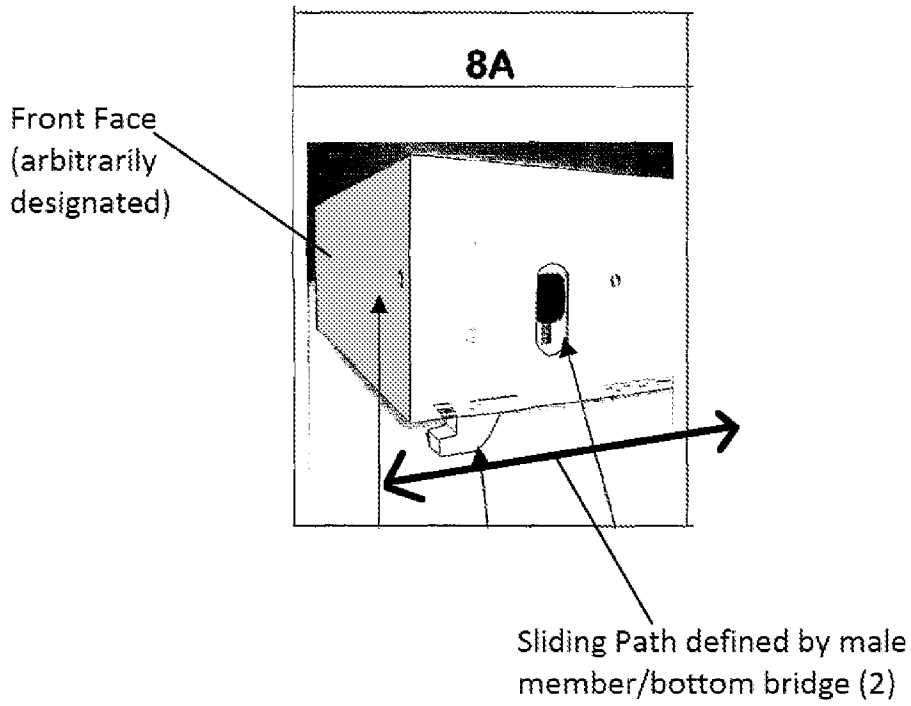
Detail from Welsh (US 2007/0138041) showing corner bumpers being used to protect the bottom surface (30B) of the case. The shaded areas in grey are positioned on the major planar face of the toolbox where the interlocking male-female elements of Madsen (US 2011/0139665) would be positioned.

36. Regarding Claims 22-24, Applicant believes that Claims 22-24 are allowable based on dependency from an allowable independent claim. As discussed above, the Examiner disagrees and believes that the incorporation of corner bumpers as taught in Welsh into the invention of Madsen is an obvious variation that would provide the immediate and commonly known benefit of protecting a toolbox against being dropped on a hard surface.

37. Regarding Claim 24, Applicant argues on Page 10 that Madsen discloses laterally oriented bottom bridges that engage via lateral or sideways engagement and not a sliding path that is perpendicular to the front face and the first rear wall.

38. The Examiner disagrees.

39. Madsen does not disclose any face as being a 'front face' or a 'rear wall'. Therefore, the relative direction of whichever face is designated 'front' will render the engagement movement 'sideways' as front-to-back movement. It is entirely a matter of choice based on how a user may view the toolbox as shown below that may change the relative direction of the sliding path.



Detail from Madsen (US 2011/0139665) Figure 8A showing sliding path perpendicular to a front face.

40. Furthermore, even assuming that Madsen identifies a 'sideward' motion for engagement, this does not appear to be a patentable distinction. Rather, to change the orientation of the interlocking members relative to a front or rear wall of the toolbox appears to be an obvious variation as a rearrangement of parts that would provide no unexpected improvement in function or use of the engagement mechanism. Please see MPEP 2144.04.

41. On Page 11, Applicant states that the transport lock (7) and locking tap (19) of Madsen are a through-bore channel and not a recess defined in the box upper surface and therefore is distinguished in the new claims 36 and 37. Furthermore, the through-bore channel of Madsen lacks a bottom wall extending between the front wall and the rear wall.

42. The Examiner agrees. Madsen does not disclose a recess as defined as "a small area in a room that is formed by one part of a wall being set back farther than other parts"[1] or "a part of a wall that is set back from the rest of the wall"[2]. However, this is irrelevant. A person having ordinary skill in the art would recognize that either the bore channel of Madsen or Applicant's claimed recess serves the identical function of receiving a locking member to fix relative movement of the stacked cases. Therefore, to change the bore channel of Madsen to the recess claimed by Applicant is the simple substitution of one known receiving element for another to obtain the identical result of selectively receiving an actuatable latch member.

Conclusion

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

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

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

[1] https://www.collinsdictionary.com/us/dictionary/english/recess
[2] https://www.britannica.com/dictionary/recess

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

Any inquiry concerning this communication or earlier communications from the examiner should be directed to 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. 18/330,972	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-3201035-A	08-1965	EDGAR MARTIN PAUL	B65D21/0217	232/1R
*	B	US-20170143090-A1	05-2017	Naiva; Matthew W.	B25H3/02	1/1
*	C	US-20170120679-A1	05-2017	Naiva; Matthew W.	A45C5/14	1/1
*	D	US-11192690-B1	12-2021	Brunner; Yaron	A45C5/14	1/1
*	E	US-20220097926-A1	03-2022	Whitmire; J. Porter	B25H3/04	1/1
*	F	US-11426859-B2	08-2022	Squiers; Grant T.	A45F3/047	1/1
*	G	US-20230136626-A1	05-2023	CAI; Shujun	B25H3/02	206/503
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/330,972	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

CPC - Searched*		
Symbol	**Date**	**Examiner**
A45C5/14	08/08/2023	GW
A45C7/005,0045	08/08/2023	GW
A45C13/02	08/08/2023	GW
A45F3/10	08/08/2023	GW
B25H1/04	08/08/2023	GW
B25H3/02,021,023	08/08/2023	GW
B62B1/14	08/08/2023	GW
B62B5/067	08/08/2023	GW
B65D21/0223,0209,0228	08/08/2023	GW
B65D2255/00	08/08/2023	GW
B65H2701/533	08/08/2023	GW
update search, IDS search	11/22/2023	GW

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

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
220	4.27	08/08/2023	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	

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/330,972	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

Search Notes		
Search Notes	**Date**	**Examiner**
IDS search, inventor search, update prior application searches	08/08/2023	GW

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

/GIDEON R WEINERTH/ Examiner, Art Unit 3736	

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/330,972	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	08/09/2023	11/23/2023							
	21	✓	✓							
	22	✓	✓							
	23	✓	✓							
	24	✓	✓							
	25	✓	✓							
	26	✓	✓							
	27	✓	✓							
	28	✓	✓							
	29	✓	✓							
	30	✓	✓							
	31	✓	✓							
	32	✓	✓							
	33	✓	✓							
	34	✓	✓							
	35	✓	✓							
	36		✓							
	37		✓							

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	1656	((("Milwaukee") near3 ("Electric") near3 ("Tool") near3 ("Corporation"))).AS,AANM.	(USPAT)	OR	ON	ON	2023/08/08 04:38 PM
L2	226	((("Keter") near3 ("Plastic") near3 ("LTD"))).AS,AANM.	(USPAT)	OR	ON	ON	2023/08/08 04:39 PM
L3	117	((("Squiers") near3 ("Grant") near3 ("T"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:39 PM
L4	157	((("Hoppe") near3 ("Christopher") near3 ("S"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:40 PM
L5	246	((("Hyma") near3 ("Steven") near3 ("W"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:40 PM
L6	572	220/4.27.ccls.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:41 PM
L7	1367	B65D21/0223,0209,0228.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:41 PM
L8	2562	A45C5/14.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:41 PM
L9	138	A45C7/005.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:42 PM
L10	3899	A45C13/02.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:42 PM
L11	510	A45F3/10.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:42 PM
L12	1063	B25H1/04.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:42 PM
L13	1616	B25H3/02,021.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:42 PM
L14	1249	B62B1/14.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:43 PM
L15	459	A45C7/0045.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:43 PM
L16	516	B25H3/023.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:43 PM
L17	1197	B62B5/067.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:43 PM
L18	76	B65D2255/00.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:43 PM
L19	236	B65H2701/533.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:43 PM
L20	4	(US-11124347-$ | US-11253037-$ | US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:45 PM

		11612998-$ | US-9089964-$).DID.					
L21	16	("3025995" | "4524494" | "4635326" | "6368694" | "7264863" | "8376166" | "8690471" | "8844719" | "10219595" | "20030038054" | "20060264076" | "20070138041" | "20070251855" | "20120160733" | "20130032506").pn. OR ("11124347").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:46 PM
L22	12	("3025995").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:46 PM
L23	813	(US-0000440-$ | US-0001482-$ | US-0002004-$ | US-0006542-$ | US-0006770-$ | US-0014949-$ | US-0015928-$ | US-0023349-$ | US-0024468-$ | US-0025706-$ | US-0026901-$ | US-0027343-$ | US-0027475-$ | US-0029543-$ | US-0030425-$ | US-0031222-$ | US-0031731-$ | US-0031732-$ | US-0031975-$ | US-0034515-$ | US-0036215-$ | US-0038367-$ | US-0039781-$ | US-0039831-$ | US-0044059-$ | US-0044827-$ | US-0045505-$ | US-0049824-$ | US-0052276-$ | US-0055534-$ | US-0060953-$ | US-0062042-$ | US-0062244-$ | US-0068757-$ | US-0068903-$ | US-0069832-$ | US-0071990-$ | US-0073516-$ | US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:50 PM

		0073995-$ | US- 0074022-$ | US- 0074158-$ | US- 0074725-$ | US- 0075468-$ | US- 0076261-$ | US- 0076759-$ | US- 0078929-$ | US- 0080432-$ | US- 0090616-$ | US- 0094392-$ | US- 0094393-$ | US- 0094600-$ | US- 0099405-$ | US- 0103494-$ | US- 0104308-$ | US- 0104909-$ | US- 0104914-$ | US- 0104921-$ | US- 0106244-$ | US- 0115312-$ | US- 0115715-$ | US- 0117393-$ | US- 0119060-$ | US- 0121056-$ | US- 0121547-$ | US- 0121783-$ | US- 0123478-$ | US- 0125072-$ | US- 0127007-$ | US- 0127129-$ | US- 0127146-$ | US- 0127736-$ | US- 0130034-$ | US- 0134607-$ | US- 0138041-$ | US- 0138382-$ | US- 0139566-$ | US- 0139665-$ | US- 0139745-$ | US- 0139777-$ | US- 0144500-$ | US- 0145700-$ | US- 0145790-$ | US- 0145866-$ | US- 0145913-$ | US- 0146551-$ | US- 0146589-$ | US- 0147642-$ | US- 0147781-$ | US- 0149754-$ | US- 0151427-$ | US- 0152944-$ | US- 0153312-$ | US- 0154218-$ | US- 0154824-$ | US- 0155373-$ | US- 0155613-$ | US-						

		0158216-$ | US- 0160886-$ | US- 0161518-$ | US- 0161975-$ | US- 0165036-$ | US- 0165482-$ | US- 0165828-$ | US- 0166352-$ | US- 0166516-$ | US- 0168376-$ | US- 0168880-$ | US- 0169667-$ | US- 0169739-$ | US- 0171228-$ | US- 0174392-$ | US- 0176261-$ | US- 0178946-$ | US- 0180250-$ | US- 0181008-$ | US- 0184034-$ | US- 0186513-$ | US- 0186624-$ | US- 0187725-$ | US- 0194543-$ | US- 0195793-$ | US- 0197059-$ | US- 0205877-$ | US- 0206139-$ | US- 0206656-$ | US- 0207571-$ | US- 0213115-$ | US- 0213934-$ | US- 0217464-$ | US- 0219193-$ | US- 0220531-$ | US- 0220758-$ | US- 0221177-$ | US- 0221561-$ | US- 0223585-$ | US- 0223971-$ | US- 0224528-$ | US- 0225371-$ | US- 0229889-$ | US- 0236482-$ | US- 0239808-$ | US- 0240671-$ | US- 0242144-$ | US- 0243925-$ | US- 0254757-$ | US- 0254946-$ | US- 0256529-$ | US- 0257958-$ | US- 0258324-$ | US- 0266804-$ | US- 0267368-$ | US- 0271280-$ | US- 0271616-$ | US- 0273114-$ | US-						

		0274362-$ | US- 0277221-$ | US- 0280523-$ | US- 0288970-$ | US- 0290288-$ | US- 0292213-$ | US- 0296443-$ | US- 0299027-$ | US- 0308369-$ | US- 0310842-$ | US- 0316909-$ | US- 0318927-$ | US- 0320243-$ | US- 0326406-$ | US- 0346819-$ | US- 0349013-$ | US- 0360803-$ | US- 0369781-$ | US- 0376917-$ | US- 0383507-$ | US- 0402113-$ | US- 1081378-$ | US- 1084360-$ | US- 10017134-$ | US- 10106180-$ | US- 10222172-$ | US- 10406387-$ | US- 10434638-$ | US- 10583962-$ | US- 10603783-$ | US- 10703534-$ | US- 10750833-$ | US- 10758065-$ | US- 10793172-$ | US- 10829269-$ | US- 10894314-$ | US- 10933501-$ | US- 10962218-$ | US- 10981696-$ | US- 11008136-$ | US- 11027883-$).DID. (US- 11059631-$ | US- 11066089-$ | US- 11155382-$ | US- 11230410-$ | US- 11338959-$ | US- 11385055-$ | US- 11426859-$ | US- 11464335-$ | US- 11510486-$ | US- 11529985-$ | US- 11554898-$ | US- 2042387-$ | US- 2103106-$ | US- 2124541-$ | US- 2210235-$ | US- 2372845-$ | US- 2386343-$ | US-					

		2480200-$ | US- 2588009-$ | US- 2733076-$ | US- 2939613-$ | US- 2970358-$ | US- 20020000440-$ | US- 20020030425-$ | US- 20020125072-$ | US- 20020171228-$ | US- 20030075468-$ | US- 20030094392-$ | US- 20030094393-$ | US- 20030115715-$ | US- 20030146589-$ | US- 20030184034-$ | US- 20030205877-$ | US- 20040074725-$ | US- 20040103494-$ | US- 20040149754-$ | US- 20040195793-$ | US- 20040206656-$ | US- 20040256529-$ | US- 20050015928-$ | US- 20050062244-$ | US- 20050104308-$ | US- 20050139745-$ | US- 20050242144-$ | US- 20060006770-$ | US- 20060027475-$ | US- 20060038367-$ | US- 20060076261-$ | US- 20060119060-$ | US- 20060165482-$ | US- 20060186624-$ | US- 20060254946-$ | US- 20070006542-$ | US- 20070045505-$ | US- 20070068757-$ | US- 20070090616-$ | US- 20070138041-$ | US- 20070145700-$ | US- 20070194543-$ | US- 20070273114-$ | US- 20080060953-$ | US- 20080104921-$ | US- 20080115312-$ | US- 20080121547-$ | US- 20080134607-$ | US- 20080169667-$ | US- 20080169739-$ | US- 20080271280-$ | US- 20080277221-$ | US- 20080280523-$ | US- 20080296443-$ | US- 20080308369-$ | US- 20090026901-$ | US- 20090044827-$ | US- 20090071990-$ | US-						

		20090127146-$ | US- 20090145790-$ | US- 20090145866-$ | US- 20090145913-$ | US- 20090178946-$ | US- 20090236482-$ | US- 20090288970-$ | US- 20100052276-$ | US- 20100139566-$ | US- 20100147642-$ | US- 20100176261-$ | US- 20100219193-$ | US- 20100224528-$ | US- 20100254757-$ | US- 20110049824-$ | US- 20110073516-$ | US- 20110127736-$ | US- 20110139665-$ | US- 20110139777-$ | US- 20110155613-$ | US- 20110181008-$ | US- 20110220531-$ | US- 20120073995-$ | US- 20120074022-$ | US- 20120074158-$ | US- 20120080432-$ | US- 20120152944-$ | US- 20120160886-$ | US- 20120180250-$ | US- 20120207571-$ | US- 20120292213-$ | US- 20120326406-$ | US- 20130024468-$ | US- 20130031731-$ | US- 20130031732-$ | US- 20130068903-$ | US- 20130121783-$ | US- 20130127129-$ | US- 20130146551-$ | US- 20130154218-$ | US- 20130206139-$ | US- 20130223971-$ | US- 20140062042-$ | US- 20140069832-$ | US- 20140076759-$ | US- 20140123478-$ | US- 20140161518-$ | US- 20140166516-$ | US- 20140197059-$ | US- 20140000-$ | US- 20150014949-$ | US- 20150034515-$ | US- 20150151427-$ | US- 20150274362-$ | US- 20150310842-$ | US- 20150376917-$ | US- 20160023349-$ | US- 20160130034-$ | US-					

		20160144500-$ | US- 20160168880-$ | US- 20160213115-$ | US- 20160221177-$ | US- 20170121056-$ | US- 20170138382-$ | US- 20170158216-$ | US- 20170165828-$ | US- 20170166352-$ | US- 20170174392-$ | US- 20170217464-$ | US- 20170239808-$ | US- 20170257958-$ | US- 20170266804-$ | US- 20170318927-$ | US- 20170349013-$ | US- 20180044059-$ | US- 20180099405-$ | US- 20180127007-$ | US- 20180153312-$ | US- 20180161975-$ | US- 20180186513-$ | US- 20180213934-$ | US- 20180220758-$ | US- 20180229889-$ | US- 20180290288-$).DID. (US-20190001482-$ | US-20190002004-$ | US-20190031222-$ | US-20190039781-$ | US-20190106244-$ | US-20190168376-$ | US-20190225371-$ | US-20200029543-$ | US-20200055534-$ | US-20200078929-$ | US-20200147781-$ | US-20200165036-$ | US-20200223585-$ | US-20200243925-$ | US-20200299027-$ | US-20200346819-$ | US-20200383507-$ | US-20210025706-$ | US-20210031975-$ | US-20210039831-$ | US-20210094600-$ | US-20210104909-$ | US-20210104914-$ | US-20210154824-$ | US-20210155373-$ | US-20210187725-$ | US-20210221561-$ | US-20210267368-$ | US-20210316909-$ | US-20210360803-$ | US-20220117393-$ | US-20220240671-$ |					

		US-20220258324-$ | US-20220369781-$ | US-20220402113-$ | US-20230027343-$ | US-20230036215-$ | US-3117692-$ | US-3225865-$ | US-3370236-$ | US-3423786-$ | US-3424334-$ | US-3506321-$ | US-3514170-$ | US-3552817-$ | US-3567298-$ | US-3685866-$ | US-3748372-$ | US-3835623-$ | US-3851936-$ | US-3935613-$ | US-3974898-$ | US-3999818-$ | US-4122925-$ | US-4168076-$ | US-4243279-$ | US-4303367-$ | US-4564732-$ | US-4660725-$ | US-4673070-$ | US-4735107-$ | US-4805859-$ | US-4817237-$ | US-4929973-$ | US-4971201-$ | US-5035389-$ | US-5035445-$ | US-5098235-$ | US-5105947-$ | US-5154291-$ | US-5240264-$ | US-5282554-$ | US-5301829-$ | US-5325966-$ | US-5356038-$ | US-5356105-$ | US-5375709-$ | US-5429235-$ | US-5454634-$ | US-5538213-$ | US-5595228-$ | US-5608603-$ | US-5622296-$ | US-5628443-$ | US-5653366-$ | US-5664292-$ | US-5775046-$ | US-5797617-$ | US-5850996-$ | US-5890613-$ | US-						

		5906381-$ | US- 5951037-$ | US- 5957421-$ | US- 5988473-$ | US- 6036071-$ | US- 6050660-$ | US- 6082539-$ | US- 6082687-$ | US- 6085925-$ | US- 6098858-$ | US- 6109627-$ | US- 6123344-$ | US- 6131926-$ | US- 6176559-$ | US- 6305498-$ | US- 6311881-$ | US- 6347847-$ | US- 6354759-$ | US- 6367631-$ | US- 6371320-$ | US- 6371321-$ | US- 6371424-$ | US- 6431580-$ | US- 6497395-$ | US- 6547347-$ | US- 6601930-$ | US- 6619772-$ | US- 6637707-$ | US- 6641013-$ | US- 6666362-$ | US- 6889838-$ | US- 6945546-$ | US- 6948691-$ | US- 6983946-$ | US- 7007903-$ | US- 7044484-$ | US- 7090085-$ | US- 7147243-$ | US- 7152752-$ | US- 7219969-$ | US- 7263742-$ | US- 7350648-$ | US- 7367571-$ | US- 7416193-$ | US- 7503569-$ | US- 7658887-$ | US- 7690856-$ | US- 7757913-$ | US- 7780026-$ | US- 7837165-$ | US- 7841144-$ | US- 8028845-$ | US- 8132819-$ | US- 8177463-$ | US- 8191910-$ | US- 8292244-$ | US- 8448829-$ | US- 8454033-$ | US-						

		8459495-$ | US- 8505729-$ | US- 8567796-$ | US- 8590704-$ | US- 8602217-$ | US- 8640913-$ | US- 8657307-$ | US- 8677661-$ | US- 8689396-$ | US- 8714355-$ | US- 8813960-$ | US- 8851282-$ | US- 8875888-$ | US- 8894160-$ | US- 8925752-$ | US- 8974139-$ | US- 8979100-$ | US- 8985922-$ | US- 9132543-$ | US- 9506489-$ | US- 9511491-$ | US- 9551367-$ | US- 9566990-$ | US- 9616562-$ | US- 9643629-$ | US- 9701443-$ | US- 9725209-$ | US- 9776651-$ | US- 9850029-$ | US- 9872562-$ | US- 9888752-$ | US- D232798-$ | US- D285986-$ | US- D319016-$ | US- D325324-$ | US- D326815-$ | US- D340167-$ | US- D352208-$).DID. (US- D361511-$ | US- D395533-$ | US- D415393-$ | US- D420860-$ | US- D437484-$ | US- D437669-$ | US- D456972-$ | US- D525789-$ | US- D527225-$ | US- D536580-$ | US- D630851-$ | US- D649350-$ | US- D649783-$ | US- D653832-$ | US- D661858-$ | US- D663952-$ | US- D664354-$ | US- D668869-$ | US- D674605-$ | US- D701696-$ | US-						

		D738105-$ | US- D738106-$ | US- D738622-$ | US- D753394-$ | US- D753395-$ | US- D753396-$ | US- D753982-$ | US- D765974-$ | US- D770179-$ | US- D784089-$ | US- D790221-$ | US- D803631-$ | US- D806483-$ | US- D814187-$ | US- D815831-$ | US- D816334-$ | US- D826510-$ | US- D828671-$ | US- D831352-$ | US- D833744-$ | US- D836995-$ | US- D837515-$ | US- D839681-$ | US- D845080-$ | US- D845081-$ | US- D857387-$ | US- D871013-$ | US- D873085-$ | US- D876833-$ | US- D880252-$ | US- D880951-$ | US- D883752-$ | US- D887788-$ | US- D888422-$ | US- D888503-$ | US- D891193-$ | US- D891195-$ | US- D891875-$ | US- D892565-$ | US- D895375-$ | US- D895966-$ | US- D895967-$ | US- D896517-$ | US- D896518-$ | US- D897103-$ | US- D898320-$ | US- D917977-$ | US- D918584-$ | US- D919296-$ | US- D920671-$ | US- D923935-$ | US- D932186-$ | US- D936030-$ | US- D941020-$ | US- D967693-$ | US- RE47022-$).DID.					
L24	17	("5683097" | "6559791" | "6644447" | "7503569"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:51 PM

		| "8820497" | "8919508" | "9277796" | "20020070517" | "20080223679" | "20090149279" | "20090266833").pn. OR ("11066089").urpn. AND (PGPB | USPT | USOC).dbnm.					
L25	817	L23 L20	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:52 PM
L26	87	("3356325" | "4525052").pn. OR ("4929973").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:58 PM
L27	361	("0495537" | "0509839" | "1081378" | "1084360" | "2042387" | "2124541" | "2430200" | "2939613" | "2970358" | "3117692" | "3225865" | "3423786" | "3424334" | "3506321" | "3514170" | "3743372" | "D232798" | "3935613" | "3974898" | "3999818" | "4122925" | "4168076" | "4243279" | "D285986" | "4673070" | "4805859" | "4817237" | "4929973" | "4971201" | "5035445" | "D319016" | "5098235" | "D325324" | "5105947" | "D326815" | "5240264" | "D340167" | "5282554" | "5301829" | "5325966" | "5356038" | "5356105" | "D352208" | "5375709" | "5429235" | "5429260" | "5433416" | "D361511" | "5538213" | "5595228" | "5608603" | "5622296" | "5628443" | "5653366" | "5664292" | "D395533" | "5775046" | "5797617" | "5850996" | "5890613" | "5951037" | "5957421" | "D415393" | "5988473" | "D420860" | "6050660" | "6082539" | "6082687" | "6085925" | "6098858" | "6109627" | "6176559" | "D437669" | "6305498" | "6347847" | "6367631" | "6371320" | "6371424" | "D456972" | "6431580" | "6547347" | "6601930"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:59 PM

		| "6619772" | "6637707" | "6641013" | "6889838" | "6945546" | "6948691" | "6983946" | "7044484" | "7066475" | "7077372" | "D525789" | "D527225" | "7090085" | "7147243" | "7152752" | "D536580" | "7172164" | "7219969" | "7263742" | "7367571" | "7503569" | "7658887" | "7690856" | "7779764" | "7780026" | "7837165" | "7841144" | "D630851" | "8028845" | "D649350" | "D653832" | "8132819" | "8177463" | "D661858" | "8191910" | "D663952" | "D664354" | "D668869" | "D674605" | "8448829" | "8454033" | "8459495" | "8505729" | "8567796" | "8602217" | "8640913" | "8677661" | "D701696" | "8689396" | "8714355" | "8813960" | "8851282" | "8875888" | "8925752" | "8979100" | "8985922" | "D738105" | "D738106" | "D738622" | "9132543" | "D753394" | "D753395" | "D753396" | "D753982" | "D765974" | "D770179" | "9506489" | "9511491" | "D777426" | "9551367" | "9566990" | "D784089" | "9616562" | "9643629" | "D790221" | "9701443" | "9725209" | "D803631" | "9850029" | "D806483" | "9872562" | "9888752" | "D814187" | "D815831" | "D816334" | "D826510" | "D828671" | "D831352" | "10106180" | "D833744" | "D836995" | "D839681" | "10222172" | "D837515" | "D845080" | "D845081" | "D857387" | "10434638" | "D871013" | "D873085" | "10583962" | "10603783" | "D880252" | "D880951" |					

		"D883752" | "D887788" | "D888422" | "D888503" | "D891193" | "D891195" | "10703534" | "D891875" | "D892565" | "10750833" | "D895375" | "D895966" | "D895967" | "D896517" | "D896518" | "10758065" | "D898320" | "10793172" | "10829269" | "10933501" | "10962218" | "10981696" | "D917977" | "11008136" | "D923935" | "11059631" | "20020000440" | "20020125072" | "20020171228" | "20030094392" | "20030094393" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040103494" | "20040195793" | "20040206656" | "20050015928" | "20050062244" | "20050104308" | "20050139745" | "20050242144" | "20060006770" | "20060027475" | "20060038367" | "20060076261" | "20060119060" | "20060186624" | "20060254946" | "20070068757" | "20070090616" | "20070145700" | "20070194543" | "20080060953" | "20080104921" | "20080115312" | "20080121547" | "20080134607" | "20080169739" | "20080271280" | "20080277221" | "20080296443" | "20080308369" | "20090026901" | "20090071990" |					

		"20090127146" | "20090145790" | "20090145866" | "20090145913" | "20090178946" | "20090236482" | "20100052276" | "20100139566" | "20100147642" | "20100176261" | "20100219193" | "20100224528" | "20110073516" | "20110139665" | "20110139777" | "20110155613" | "20110174939" | "20110181008" | "20110220531" | "20120074022" | "20120074158" | "20120152944" | "20120160886" | "20120180250" | "20120207571" | "20120292213" | "20120326406" | "20130024468" | "20130031731" | "20130031732" | "20130068903" | "20130121783" | "20130127129" | "20130146551" | "20130154218" | "20130223971" | "20140069832" | "20140076759" | "20140123478" | "20140161518" | "20140166516" | "20150014949" | "20150034515" | "20150151427" | "20150274362" | "20150310842" | "20150376917" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20160221177" | "20170121056" | "20170138382" | "20170165828" | "20170166352" | "20170174392" | "20170217464" |				

		"20170239808" | "20170257958" | "20170266804" | "20170318927" | "20170349013" | "20180044059" | "20180099405" | "20180127007" | "20180153312" | "20180161975" | "20180186513" | "20180213934" | "20180220758" | "20180229889" | "20180290288" | "20190001482" | "20190002004" | "20190031222" | "20190039781" | "20190106244" | "20190168376" | "20190225371" | "20200029543" | "20200055534" | "20200147781" | "20200165036" | "20200243925" | "20200299027" | "20200346819" | "20210025706" | "20210031975" | "20210039831" | "20210155373" | "20210187725" | "20210267368").pn. OR ("11192690").urpn. AND (PGPB | USPT | USOC).dbnm.					
L28	17	("2155128" | "3266656" | "4278196" | "4621879" | "5000301" | "6682256" | "8245467" | "20050000836" | "20060201833" | "20110036735").pn. OR ("9089964").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 05:02 PM
L29	254	("2042387" | "2430200" | "2970358" | "3117692" | "3225865" | "3506321" | "D232798" | "3974898" | "4168076" | "4971201" | "5035445" | "D319016" | "5098235" | "D325324" | "5105947" | "D326815" | "5240264" | "D340167"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 05:05 PM

			"5301829" | "D352208" | "5429260" | "D361511" | "5538213" | "5595228" | "5608603" | "5628443" | "D395533" | "5797617" | "5951037" | "D415393" | "5988473" | "D420860" | "6050660" | "6085925" | "6109627" | "6176559" | "D437669" | "6305498" | "6347847" | "6367631" | "6371320" | "D456972" | "6431580" | "6547347" | "6601930" | "6619772" | "6637707" | "6641013" | "6945546" | "6948691" | "6983946" | "7044484" | "7066475" | "D525789" | "D527225" | "7147243" | "D536580" | "7263742" | "7367571" | "7503569" | "7658887" | "7779764" | "7780026" | "7841144" | "D630851" | "8028845" | "D649350" | "D653832" | "8132819" | "8177463" | "D661858" | "8191910" | "D663952" | "D664354" | "D668869" | "D674605" | "8454033" | "8459495" | "8505729" | "8567796" | "8677661" | "D701696" | "8689396" | "8714355" | "8813960" | "8875888" | "8979100" | "8985922" | "D738105" | "D738106" | "9132543" | "D753394" | "D753395" | "D753396" | "D765974" | "D770179" | "9506489" | "9511491" | "D777426" | "9566990" | "D784089" | "9616562" | "9643629" | "D790221" | "9701443" | "9725209" | "D803631" | "D806483" | "9872562" | "D814187" | "D815831" | "D816334" | "D826510" | "D828671" | "D831352" | "10106180" | "D833744" | "D836995" | "D839681" | "D837515" | "D845080" | "D845081" | "D857387" | "10434638" | "D871013" | "D873085"					

		| "10583962" | "D880252" | "D880951" | "D883752" | "D887788" | "D888422" | "D888503" | "D891193" | "D891195" | "D891875" | "D892565" | "D895375" | "D895966" | "D895967" | "D896517" | "D896518" | "20020000440" | "20020125072" | "20020171228" | "20030094393" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040103494" | "20040195793" | "20040206656" | "20050062244" | "20050104308" | "20050139745" | "20060006770" | "20060027475" | "20060038367" | "20060119060" | "20060186624" | "20060254946" | "20070012694" | "20070068757" | "20070090616" | "20070145700" | "20070194543" | "20080104921" | "20080115312" | "20080121547" | "20080134607" | "20080169739" | "20080271280" | "20080277221" | "20080308369" | "20090026901" | "20090071990" | "20090145790" | "20090145866" | "20090145913" | "20090178946" | "20090236482" | "20100052276" | "20100139566" | "20100147642" | "20100219193" | "20100290877" | "20110073516" | "20110139665" |					

		"20110155613" | "20110174939" | "20110181008" | "20110220531" | "20120160886" | "20120180250" | "20120207571" | "20120292213" | "20120326406" | "20130024468" | "20130031731" | "20130031732" | "20130068903" | "20130121783" | "20130127129" | "20130146551" | "20130154218" | "20130223971" | "20140076759" | "20140161518" | "20140166516" | "20150034515" | "20150274362" | "20150376917" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20160221177" | "20170121056" | "20170138382" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20170349013" | "20180044059" | "20180099405" | "20180153312" | "20180161975" | "20180186513" | "20180220758" | "20180290288" | "20190002004" | "20190031222" | "20190039781" | "20190106244" | "20190225371" | "20200055534" | "20200147781" | "20200165036" | "20200243925" | "20200299027").pn. OR ("11426859").urpn.					

		AND (PGPB | USPT | USOC).dbnm.					
L30	0	"11731807".pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 05:15 PM
L31	72	brunner.inv. AND bumper	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 05:48 PM
L32	9	brunner.inv. AND milwaukee.as. AND bumper	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 05:49 PM
L33	36	brunner.inv. AND milwaukee.as.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:02 PM
L34	0	("2023/0090819").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:05 PM
L35	29	L25 AND madsen	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:09 PM
L36	2	L25 AND madsen.inv.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:09 PM
L37	10	("2016/0213115").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:28 PM
L38	115	("4643494" | "4671943" | "D292634" | "4820499" | "5101969" | "D340353" | "5379887" | "D355764" | "D356211" | "D356679" | "D360757" | "D361663" | "5445273" | "5495945" | "5890613" | "D416682" | "5979654" | "6082539" | "D439408" | "D446015" | "D448567" | "D452613" | "D462522" | "D470658" | "D478421" | "D483946" | "D487634" | "6874634" | "6880869" | "6889838" | "7000287" | "D520237" | "D520734" | "D524651" | "D539541" | "D542529" | "D557011" | "D572479" | "D595958" | "D598684" | "7573385" | "D600015" | "D601797" | "D608094" | "D616200" | "D620255" | "D630435" | "8061492" | "8186534" | "D668867" | "D688869" | "8522967" | "8590704" | "8677661" | "D704442" | "D719352" | "D738106" | "9131770" | "D750890" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:28 PM

		"D757435" | "D759975" | "D785938" | "D790221" | "D792708" | "D798053" | "D801685" | "D808653" | "D811084" | "RE47022" | "D833743" | "D841981" | "D841982" | "D841983" | "10405626" | "D872471" | "D873004" | "D882952" | "10703534" | "10710770" | "20030094392" | "20030102970" | "20060049640" | "20060170558" | "20080067091" | "20080251396" | "20090236255" | "20110121695" | "20110139666" | "20110147256" | "20110186397" | "20110233096" | "20140062281" | "20140262885" | "20160008972" | "20160144500" | "20160213115" | "20170318927" | "20180220758" | "20190291922" | "20190308772" | "20190315515").pn. OR ("10829269").urpn. AND (PGPB | USPT | USOC).dbnm.					
L39	15	("2011/0139777").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:41 PM
L40	43	("1385484" | "2888970" | "3201035" | "4616752" | "6202847" | "6648390" | "6874634" | "7137522").pn. OR ("7690856").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:43 PM
L41	59	("0263561" | "4619363" | "4643494" | "4863222" | "5570784" | "5617953" | "5803254" | "5887715" | "5890613" | "5934466" | "6082539" | "6271320" | "6349827" | "6543613"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:45 PM

		| "6868967" | "6889838" | "D528793" | "7219969" | "7237673" | "7322470" | "D563102" | "D563670" | "D563671" | "7690856" | "D645663" | "D648531" | "8322354" | "8459495" | "8505729" | "8561679" | "8590704" | "8602217" | "8714355" | "8875888" | "8979100" | "9469024" | "D781584" | "9725209" | "RE47022" | "20020179473" | "20030094392" | "20040188322" | "20110155613" | "20120152944" | "20150353231" | "20160075010" | "20160194115").pn. OR ("10603783").urpn. AND (PGPB | USPT | USOC).dbnm.					
L42	1	("2022/0097926").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 07:02 PM
L43	0	("2017/0143090").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 07:20 PM
L44	13	("20050067245"|"20060213029"|"20060225981"|"5806143"|"6357080"|"6378674"|"6609271"|"6827186"|"7143912"|"7207085"|"7506736"|"7549520"|"9161600").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 07:20 PM
L45	26	L25 AND toggle	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 09:48 PM
L46	589	(tool ADJ box) AND toggle	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 09:52 PM
L47	179	L25 AND latch	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 09:53 PM
L48	61	((US-11253037-B2 OR US-11124347-B2 OR US-9089964-B2 OR US-D932186-S OR US-11066089-B2 OR US-11059631-B1 OR US-D923935-S OR US-7503569-B2 OR US-6666362-B1 OR US-5356105-A OR US-5356038-A OR US-5325966-A OR US-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK,	OR	ON	ON	2023/08/08 10:01 PM

		4929973-A OR US-11192690-B1 OR US-D967693-S OR US-11464335-B2 OR US-11426859-B2 OR US-D826510-S OR US-D936030-S OR US-10829269-B2 OR US-9511491-B2 OR US-D765974-S OR US-D738106-S OR US-8640913-B2 OR US-7690856-B2 OR US-11338959-B2 OR US-10603783-B2) did. AND USPT,dbnm.) OR ((US-20230036215-A1 OR US-20220402113-A1 OR US-20210267368-A1 OR US-20210154824-A1 OR US-20210104914-A1 OR US-20200165036-A1 OR US-20200147781-A1 OR US-20200078929-A1 OR US-20110139665-A1 OR US-20070138041-A1 OR US-20180220758-A1 OR US-20230090819-A1 OR US-20070012694-A1 OR US-20210104909-A1 OR US-20210031975-A1 OR US-20200346819-A1 OR US-20190039781-A1 OR US-20180161975-A1 OR US-20170318927-A1 OR US-20160213115-A1 OR US-20140069832-A1 OR US-20110139777-A1 OR US-20230136626-A1 OR US-20230027343-A1 OR US-20220097926-A1 OR US-20180044059-A1 OR US-20170143090-A1 OR US-20170121056-A1 OR US-20170120679-A1 OR US-20160023349-A1 OR US-20150352711-A1 OR US-20130134003-A1	TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				

		OR US-20090301913-A1).did. AND PGPB.dbnm.) OR ((US-3201035-A).did. AND USOC.dbnm.)					
L49	61	((US-11253037-B2 OR US-11124347-B2 OR US-9089964-B2 OR US-D932186-S OR US-11066089-B2 OR US-11059631-B1 OR US-D923935-S OR US-7503569-B2 OR US-6666362-B1 OR US-5356105-A OR US-5356038-A OR US-5325966-A OR US-4929973-A OR US-11192690-B1 OR US-D967693-S OR US-11464335-B2 OR US-11426859-B2 OR US-D826510-S OR US-D936030-S OR US-10829269-B2 OR US-9511491-B2 OR US-D765974-S OR US-D738106-S OR US-8640913-B2 OR US-7690856-B2 OR US-11338959-B2 OR US-10603783-B2).did. AND USPT.dbnm.) OR ((US-20230036215-A1 OR US-20220402113-A1 OR US-20210267368-A1 OR US-20210154824-A1 OR US-20210104914-A1 OR US-20200165036-A1 OR US-20200147781-A1 OR US-20200078929-A1 OR US-20110139665-A1 OR US-20070138041-A1 OR US-20180220758-A1 OR US-20230090819-A1 OR US-20070012694-A1 OR US-20210104909-A1 OR US-20210031975-A1 OR US-20200346819-A1 OR US-20190039781-A1 OR US-20180161975-A1 OR US-20170318927-A1 OR	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/08/08 10:01 PM

		US-20160213115-A1 OR US-20140069832-A1 OR US-20110139777-A1 OR US-20230136626-A1 OR US-20230027343-A1 OR US-20220097926-A1 OR US-20180044059-A1 OR US-20170143090-A1 OR US-20170121056-A1 OR US-20170120679-A1 OR US-20160023349-A1 OR US-20150352711-A1 OR US-20130134003-A1 OR US-20090301913-A1).did. AND PGPB.dbnm.) OR ((US-3201035-A).did. AND USOC.dbnm.)					
L50	61	((US-11253037-B2 OR US-11124347-B2 OR US-9089964-B2 OR US-D932186-S OR US-11066089-B2 OR US-11059631-B1 OR US-D923935-S OR US-7503569-B2 OR US-6666362-B1 OR US-5356105-A OR US-5356038-A OR US-5325966-A OR US-4929973-A OR US-11192690-B1 OR US-D967693-S OR US-11464335-B2 OR US-11426859-B2 OR US-D826510-S OR US-D936030-S OR US-10829269-B2 OR US-9511491-B2 OR US-D765974-S OR US-D738106-S OR US-8640913-B2 OR US-7690856-B2 OR US-11338959-B2 OR US-10603783-B2).did. AND USPT.dbnm.) OR ((US-20230036215-A1 OR US-20220402113-A1 OR US-20210267368-A1 OR US-20210154824-A1 OR US-20210104914-A1 OR US-20200165036-A1 OR US-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/08/09 12:30 PM

		20200147781-A1 OR US-20200078929-A1 OR US-20110139665-A1 OR US-20070138041-A1 OR US-20180220758-A1 OR US-20230090819-A1 OR US-20070012694-A1 OR US-20210104909-A1 OR US-20210031975-A1 OR US-20200346819-A1 OR US-20190039781-A1 OR US-20180161975-A1 OR US-20170318927-A1 OR US-20160213115-A1 OR US-20140069832-A1 OR US-20110139777-A1 OR US-20230136626-A1 OR US-20230027343-A1 OR US-20220097926-A1 OR US-20180044059-A1 OR US-20170143090-A1 OR US-20170121056-A1 OR US-20170120679-A1 OR US-20160023349-A1 OR US-20150352711-A1 OR US-20130134003-A1 OR US-20090301913-A1).did. AND PGPB.dbnm.) OR ((US-3201035-A).did. AND USOC.dbnm.)					
L51	11	L50 NOT L25	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/08/09 12:30 PM
L52	17	(US-0031019-$ | US-0063776-$ | US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/11/07 06:23 PM

		0146447-$ | US-0205373-$ | US-0239509-$ | US-11530716-$ | US-20130239509-$ | US-20140205373-$ | US-20180031019-$ | US-20200063776-$ | US-20200146447-$ | US-9447804-$).DID.					
L53	7	((US-20230136626-A1 OR US-20220097926-A1 OR US-20170143090-A1 OR US-20170120679-A1 OR US-20070012694-A1).did. AND PGPB.dbnm.) OR ((US-11192690-B1).did. AND USPT.dbnm.) OR ((US-3201035-A).did. AND USOC.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/11/07 06:26 PM
L54	363	("0495537" | "0509839" | "1081378" | "1084360" | "2042387" | "2124541" | "2430200" | "2939613" | "2970358" | "3117692" | "3225865" | "3423786" | "3424334" | "3506321" | "3514170" | "3743372" | "D232798" | "3935613" | "3974898" | "3999818" | "4122925" | "4168076" | "4243279" | "D285986" | "4673070" | "4805859" | "4817237" | "4929973" | "4971201" | "5035445" | "D319016" | "5098235" | "D325324" | "5105947" | "D326815" | "5240264" | "D340167" | "5282554" | "5301829" | "5325966" | "5356038" | "5356105" | "D352208" | "5375709" | "5429235" | "5429260" | "5433416" | "D361511" | "5538213" | "5595228" | "5608603" | "5622296" | "5628443" | "5653366" | "5664292" | "D395533" | "5775046" | "5797617" | "5850996" | "5890613" | "5951037" | "5957421"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/11/07 06:27 PM

		| "D415393" | "5988473" | "D420860" | "6050660" | "6082539" | "6082687" | "6085925" | "6098858" | "6109627" | "6176559" | "D437669" | "6305498" | "6347847" | "6367631" | "6371320" | "6371424" | "D456972" | "6431580" | "6547347" | "6601930" | "6619772" | "6637707" | "6641013" | "6889838" | "6945546" | "6948691" | "6983946" | "7044484" | "7066475" | "7077372" | "D525789" | "D527225" | "7090085" | "7147243" | "7152752" | "D536580" | "7172164" | "7219969" | "7263742" | "7367571" | "7503569" | "7658887" | "7690856" | "7779764" | "7780026" | "7837165" | "7841144" | "D630851" | "8028845" | "D649350" | "D653832" | "8132819" | "8177463" | "D661858" | "8191910" | "D663952" | "D664354" | "D668869" | "D674605" | "8448829" | "8454033" | "8459495" | "8505729" | "8567796" | "8602217" | "8640913" | "8677661" | "D701696" | "8689396" | "8714355" | "8813960" | "8851282" | "8875888" | "8925752" | "8979100" | "8985922" | "D738105" | "D738106" | "D738622" | "9132543" | "D753394" | "D753395" | "D753396" | "D753982" | "D765974" | "D770179" | "9506489" | "9511491" | "D777426" | "9551367" | "9566990" | "D784089" | "9616562" | "9643629" | "D790221" | "9701443" | "9725209" | "D803631" | "9850029" | "D806483" | "9872562" | "9888752" | "D814187" | "D815831" | "D816334" | "D826510" | "D828671" | "D831352" | "10106180" |				

		"D833744" | "D836995" | "D839681" | "10222172" | "D837515" | "D845080" | "D845081" | "D857387" | "10434638" | "D871013" | "D873085" | "10583962" | "10603783" | "D880252" | "D880951" | "D883752" | "D887788" | "D888422" | "D888503" | "D891193" | "D891195" | "10703534" | "D891875" | "D892565" | "10750833" | "D895375" | "D895966" | "D895967" | "D896517" | "D896518" | "10758065" | "D898320" | "10793172" | "10829269" | "10933501" | "10962218" | "10981696" | "D917977" | "11008136" | "D923935" | "11059631" | "20020000440" | "20020125072" | "20020171228" | "20030094392" | "20030094393" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040103494" | "20040195793" | "20040206656" | "20050015928" | "20050062244" | "20050104308" | "20050139745" | "20050242144" | "20060006770" | "20060027475" | "20060038367" | "20060076261" | "20060119060" | "20060186624" | "20060254946" | "20070068757" | "20070090616" | "20070145700" | "20070194543" | "20080060953" | "20080104921" |					

		"20080115312"					
		"20080121547"					
		"20080134607"					
		"20080169739"					
		"20080271280"					
		"20080277221"					
		"20080296443"					
		"20080308369"					
		"20090026901"					
		"20090071990"					
		"20090127146"					
		"20090145790"					
		"20090145866"					
		"20090145913"					
		"20090178946"					
		"20090236482"					
		"20100052276"					
		"20100139566"					
		"20100147642"					
		"20100176261"					
		"20100219193"					
		"20100224528"					
		"20110073516"					
		"20110139665"					
		"20110139777"					
		"20110155613"					
		"20110174939"					
		"20110181008"					
		"20110220531"					
		"20120074022"					
		"20120074158"					
		"20120152944"					
		"20120160886"					
		"20120180250"					
		"20120207571"					
		"20120292213"					
		"20120326406"					
		"20130024468"					
		"20130031731"					
		"20130031732"					
		"20130068903"					
		"20130121783"					
		"20130127129"					
		"20130146551"					
		"20130154218"					
		"20130223971"					
		"20140069832"					
		"20140076759"					
		"20140123478"					
		"20140161518"					
		"20140166516"					
		"20150014949"					
		"20150034515"					
		"20150151427"					
		"20150274362"					
		"20150310842"					
		"20150376917"					
		"20160023349"					

		"20160130034" | "20160144500" | "20160168880" | "20160221177" | "20170121056" | "20170138382" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20170349013" | "20180044059" | "20180099405" | "20180127007" | "20180153312" | "20180161975" | "20180186513" | "20180213934" | "20180220758" | "20180229889" | "20180290288" | "20190001482" | "20190002004" | "20190031222" | "20190039781" | "20190106244" | "20190168376" | "20190225371" | "20200029543" | "20200055534" | "20200147781" | "20200165036" | "20200243925" | "20200299027" | "20200346819" | "20210025706" | "20210031975" | "20210039831" | "20210155373" | "20210187725" | "20210267368").pn. OR ("11192690").urpn. AND (PGPB | USPT | USOC).dbnm.					
L55	13	("2020/0243925").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/11/07 06:28 PM
L56	38	("2011/0139665").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/11/07 06:32 PM
L57	8	((US-20230136626-A1 OR US-20220097926-A1 OR US-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY,	OR	ON	ON	2023/11/18 10:10 PM

		20170143090-A1 OR US-20170120679-A1 OR US-20070012694-A1).did. AND PGPB.dbnm.) OR ((US-11192690-B1 OR US-11426859-B2).did. AND USPT.dbnm.) OR ((US-3201035-A).did. AND USOC.dbnm.)	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L58	23	(US-0031019-$ | US-0063776-$ | US-0146447-$ | US-0205373-$ | US-0239509-$ | US-11530716-$ | US-20130239509-$ | US-20140205373-$ | US-20180031019-$ | US-20200063776-$ | US-20200146447-$ | US-9447804-$).DID.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/11/18 10:10 PM
L59	8	((US-20230136626-A1 OR US-20220097926-A1 OR US-20170143090-A1 OR US-20170120679-A1 OR US-20070012694-A1).did. AND PGPB.dbnm.) OR ((US-11192690-B1 OR US-11426859-B2).did. AND USPT.dbnm.) OR ((US-3201035-A).did. AND USOC.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/11/23 10:59 PM
L60	7	L59 NOT L25	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK,	OR	ON	ON	2023/11/23 11:00 PM

			TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

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**	18/330,972
Date Submitted: October 24, 2023				**Filing Date**	June 7, 2023
				First Named Inventor	Yaron Brunner
(use as many sheets as necessary)				Art Unit	3736
				Examiner Name	GIDEON R WEINERTH
Sheet	1	of	1	Attorney Docket Number	066749-3925

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	9,447,804	09-20-2016	Andersson et al.	
/G.R.W/	A2	11,530,716	12-20-2022	Bastian et al.	
/G.R.W/	A3	2013/0239509	09-19-2013	Wang	
/G.R.W/	A4	2014/0205373	07-24-2014	Andersson et al.	
/G.R.W/	A5	2018/0031019	02-01-2018	Sjostedt et al.	
/G.R.W/	A6	2020/0063776	02-27-2020	Bastian et al.	
/G.R.W/	A7	2020/0146447	05-14-2020	Brendel 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	/GIDEON R WEINERTH/	Date Considered	11/07/2023

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**.

Doc Code: DIST.E.FILE **Document Description: Electronic Terminal Disclaimer - Filed**	PTO/SB/26 U.S. Patent and Trademark Office Department of Commerce

Electronic Petition Request	**TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT**
Application Number	18330972
Filing Date	07-Jun-2023
First Named Inventor	Yaron Brunner
Attorney Docket Number	066749-3925
Title of Invention	Utility Assembly and Coupling Mechanism

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

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

Owner	Percent Interest
Milwaukee Electric Tool Corporation	100%
Keter Plastic LTD	100%

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

11794952

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

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

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

( ) I certify, in accordance with 37 CFR 1.4(d)(4), that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above-identified application.

Applicant claims the following fee status:

( ) Small Entity

( ) Micro Entity

(●) Regular Undiscounted

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

THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES

I certify, in accordance with 37 CFR 1.4(d)(4) that I am:

(●) An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application

Registration Number 70608

( ) A sole inventor

( ) A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application

( ) A joint inventor; all of whom are signing this request

Signature	/Derek H. Campbell/
Name	Derek H. Campbell

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

Electronic Patent Application Fee Transmittal

Application Number:	18330972
Filing Date:	07-Jun-2023
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:	066749-3925

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
STATUTORY OR TERMINAL DISCLAIMER	1814	1	170	170
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**170**

Doc Code: DISQ.E.FILE
Document Description: Electronic Terminal Disclaimer – Approved

Application No.: 18330972

Filing Date: 07-Jun-2023

Applicant/Patent under Reexamination: Brunner et al.

Electronic Terminal Disclaimer filed on October 24, 2023

☒ APPROVED

This patent is subject to a terminal disclaimer

☐ DISAPPROVED

Approved/Disapproved by: Electronic Terminal Disclaimer automatically approved by EFS-Web

U.S. Patent and Trademark Office

Electronic Acknowledgement Receipt

EFS ID:	48758204
Application Number:	18330972
International Application Number:	
Confirmation Number:	6782
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:	066749-3925
Receipt Date:	24-OCT-2023
Filing Date:	07-JUN-2023
Time Stamp:	18:03:03
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$170
RAM confirmation Number	E20230NI03025356
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	Terminal Disclaimer-Filed (Electronic)	eTerminal-Disclaimer.pdf	42511 5b8d9afa0b07738ca83053d194170730177 83f04	no	3
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	38181 e1d0d9da7d2a198603897d59ccc6b2136d ebc272	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	80692		

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
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	18/330,972
Filing Date:	June 7, 2023
Examiner:	GIDEON R WEINERTH
Art Unit:	3736
Confirmation No:	6782

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 November 14, 2023, 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 7 of this document.

Please amend the application as follows:

Amendments to the Claims:

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

Listing of Claims:

1-20. (Cancelled)

21. (Previously Presented) A container assembly comprising:

a first container comprising:

a first lid pivotally attached to the first container;

a first female coupler at a top face of the first lid;

a first front face, a first side face, an second side face opposite the first side face, the first front face, the first side face, and the second side face collectively partially defining a storage compartment;

a first corner extending between the first front face and the first side face, and a second corner extending between the first front face and the second side face;

a first corner bumper extending outward from the first corner; and

a second corner bumper extending outward from the second corner;

wherein the first corner bumper defines an outer surface that extends past and faces away from each of the first front face and the first side face, and wherein the second corner bumper defines an outer surface that extends past and faces away from each of the first front face and the second side face; and

a first locking latch arresting location; and

a second container comprising:

a male coupler extending from a bottom face of the second container, the male coupler configured to slidingly engage with the first female coupler of the first container, wherein the first female coupler and male coupler engage each other when the first and second containers are slid with respect to each other;

a second lid pivotally attached to the second container; and

a locking latch positionable in a locked position engaging the first locking latch arresting location thereby limiting sliding displacement of the first container with respect to the second container.

22. (Previously Presented) The container assembly of claim 21, the first container comprising:

a first rear wall opposite the first front face;

a pair of rear wheels extending past the first rear wall; and

a telescoping handle extending upwards from the first rear wall of the first container.

23. (Previously Presented) The container assembly of claim 22, wherein the first female coupler of the first container and the male coupler of the second container engage each other when the first and second containers are slid with respect to each other along a sliding path defined by the first female coupler and the male coupler.

24. (Previously Presented) The container assembly of claim 23, wherein the sliding path is perpendicular to the first front face and the first rear wall.

25. (Previously Presented) The container assembly of claim 21, the second container comprising:

a second front face, a third side face, and a fourth side face opposite the third side face;

a third corner extending between the second front face and the third side face;

a fourth corner extending between the second front face and the fourth side face;

a third corner bumper extending outward from the third corner, wherein the third corner bumper defines an outer surface that extends past and faces away from each of the second front face and the third side face; and

a fourth corner bumper extending outward from the fourth corner, wherein the fourth corner bumper defines an outer surface that extends past and faces away from each of the second front face and the fourth side face.

26. (Previously Presented) The container assembly of claim 21, wherein the first locking latch arresting location is defined by the first lid of the first container, and wherein the first locking latch arresting location defines a primary longitudinal axis that extends parallel to the first front face of the first container.

27. (Previously Presented) The container assembly of claim 21, the first container comprising a plurality of female couplers including the first female coupler, each of the plurality of female couplers at the top face of the first lid, wherein the plurality of female couplers comprise four female couplers comprising a front row of at least two female couplers aligned with each other in a direction parallel to the first front face of the first container and a rear row of at least two female couplers aligned with each other in the direction parallel to the first front face of the first container.

28. (Previously Presented) The container assembly of claim 21, the first container comprising a first toggle locking latch configured to latch the first lid of the first container in a closed position, and a second toggle locking latch configured to latch the first lid of the first container in a closed position, and the second container comprising a third toggle locking latch configured to latch the second lid of the second container in a closed position, and a fourth toggle locking latch configured to latch the second lid of the second container in a closed position.

29. (Previously Presented) The container assembly of claim 28, wherein the locking latch is coupled to the second container between the second toggle locking latch and the fourth toggle locking latch.

30. (Previously Presented) The container assembly of claim 21, wherein the first locking latch arresting location is defined by the first lid of the first container, and wherein the first locking latch arresting location defines a primary longitudinal axis that extends parallel to the first front face of the first container.

31. (Previously Presented) The container assembly of claim 21, wherein the locking latch is spring biased to engage with the first locking latch arresting location.

32. (Previously Presented) The container assembly of claim 21, the first container comprising a first tiltable carrying handle coupled to the first side face, and the second container comprising a second tiltable carrying handle coupled to a side face of the second container.

33. (Previously Presented) The container assembly of claim 21,

wherein the first female coupler comprises two sidewalls, a back wall, and a first rib, the back wall located between the two sidewalls, the two sidewalls and the back wall projecting above a depressed surface of the top face of the first lid, and the first rib extending away from the back wall in a first direction towards the first front face of the first container;

wherein the second container comprises a second female coupler at a top face of the second lid, the second female coupler comprising two sidewalls, a back wall, and a second rib, the back wall located between the two sidewalls, the two sidewalls and the back wall projecting above a depressed surface of the top face of the second lid, and the second rib extending away from the back wall towards a front face of the second container and the first front face of the first container; and

wherein the first container defines a width axis parallel to the first front face of the first container and the second container defines a width axis parallel to the first front face of the first container, wherein the width axis of the second container is approximately one-half the width axis of the first container.

34. (Previously Presented) The container assembly of claim 21,

the first container comprising a plurality of female couplers including the first female coupler, the plurality of female couplers at the top face of the first lid, the first container comprising a second locking latch arresting location; and

the container assembly comprising a third container comprising:

a second male coupler extending from a bottom face of the third container, the second male coupler configured to slidingly engage with one of the plurality of female

couplers of the first container, wherein the second male coupler and the at least one of the plurality of female couplers engage each other when the first and second containers are slid with respect to each other;

a third lid pivotally attached to the third container;

a third female coupler at a top face of the first lid, the third female coupler comprising two sidewalls, a back wall, and a first rib, the back wall located between the two sidewalls, the two sidewalls and the back wall projecting above a depressed surface of the top face of the first lid, and the first rib extending away from the back wall towards a front face of the third container and the front face of the first container; and

a second locking latch positionable in a locked position engaging the second locking latch arresting location thereby limiting sliding displacement of the third container with respect to the first container.

35. (Previously Presented) The container assembly of claim 34, wherein the first container defines a width axis parallel to the first front face of the first container, the second container defines a width axis parallel to the first front face of the first container, and the third container defines a width axis parallel to the first front face of the first container, wherein the width axis of the second container is approximately one-half the width axis of the first container, and the width axis of the third container is approximately one-half the width axis of the first container.

36. (New) The container assembly of claim 21, wherein the first locking latch arresting location is a recess defined in an upward facing surface of the top face of the first lid.

37. (New) The container assembly of claim 36, wherein the recess comprises a front wall, a rear wall and a bottom wall extending between the front wall and the rear wall, wherein a lower face of the locking latch faces the bottom wall of the recess when the locking latch is in the locked position.

REMARKS

This reply is intended to be completely responsive to the Non-Final Office Action dated August 14, 2023.

Status

Claims 21-35 are pending in this application. Claims 21-35 were rejected.

With this amendment, new claims 36 and 37 are being 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.

Double Patenting

On pages 2-4 of the Office Action, the Examiner has rejected claims 21-31 and 33-35 on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-8 of U.S. Patent No. 11,731,807. Claim 32 is rejected the ground of nonstatutory obviousness-type double patenting as being unpatentable over claim 1 of U.S. Patent No. 11,731,807 in view of Welsh, U.S. Publication No. 2007/0138041.

Applicant notes that the immediate parent of the present application, US Application No. 18/051,749, was previously scheduled to issue as U.S. Patent No. 11,731,807. However, US Application No. 18/051,749 was withdrawn from issue following the mailing date of this Non-Final Office Action. Following the withdrawal from issue, US Application No. 18/051,749 was eventually issued as US 11,794,952 on October 24, 2023. Accordingly, Applicant submits herewith a terminal disclaimer over the parent patent, US 11,794,952, signed by the Attorney of Record, to overcome the referenced obviousness-type double patenting rejection. Withdrawal of the double patent rejection is respectfully requested.

Claim Rejections - 35 U.S.C. § 103

I. Rejection of claims 21, 25-32 under 35 U.S.C. § 103 as being unpatentable over Madsen and Welsh

On pages 5-8 of the Office Action, the Examiner rejected claims 21, 25-32 under 35 U.S.C. § 103 as being unpatentable over Madsen, U.S. Publication No. 2011/0139665, and Welsh, U.S. Publication No. 2007/0138041.

Independent claim 21 recites a first container comprising "a first corner bumper extending outward from the first corner; and a second corner bumper extending outward from the second corner." In the Office Action, the Examiner acknowledges that Madsen does not disclose corner bumpers as recited in claim 21 and argues that it would be obvious to modify the container of Madsen to include bumpers 70 of Welsh. See Office Action, paragraphs 13 and 14, page 6. Applicant respectfully asserts that the proposed modification of Madsen based on Welsh is improper because the addition of bumpers 70 of Welsh to the container of Madsen would negatively impact the stacking feature of Madsen, thereby rendering Madsen unsatisfactory for its intended purpose. See MPEP 2143.01.V.

Applicant respectfully asserts that corner bumpers 70 of Welsh are incompatible with the design of the stacking features of Madsen. As shown in FIG. 1, bumpers 70 of Welsh extend upward and downward relative to the upper and lower surfaces, respectively, of the container of Welsh. Thus, the bumpers of Welsh are designed such that the uppermost and lowermost surfaces of bumpers 70 are the uppermost and lowermost surfaces of the container of Welsh. Further, Welsh explicitly states that its corner bumper 70 "is preferably disposed on at least the bottom surface 30B to protect the case 20 and/or the product carried therein by cushioning the impact load exerted on the case 20 when dropped in an orientation in which case 20 strikes a hard surface." See Welsh paragraph [0026].

However, the "bottom bridge 2" of Madsen (identified as the male coupler of claim 21 by the Examiner) protrudes from the lower surface of the Madsen container and is located adjacent to the corners of the Madsen container. See e.g., Madsen, FIGS. 1 and 8A. The distance that

"bottom bridge 2" protrudes relative to the bottom of the Madsen container is needed to provide the engagement with "top bridge 3," which enables the stacking functionality of Madsen. See e.g., Madsen, FIGS. 2 and 3 and paragraph [0051]. However, as can be seen from this arrangement, the addition of corner protectors that protrude from the bottom of a container, such as bumpers 70, would interfere with the relative protrusion amount of "bottom bridge 2" needed to engage with "top bridge 3." Thus, Applicant respectfully asserts that the addition of the bumpers 70 of Welsh to the Madsen container would interfere with the stacking functionality of Madsen and thus render Madsen unsatisfactory for its intended purpose.

Finally, while it is true that Welsh discloses bumpers 70 at the corners of its container, neither Welsh nor Madsen teach a container design including corner protectors that are compatible with male and female couplers as recited in claim 21. Applicant respectfully asserts that this teaching is only found in Applicant's specification, and reliance on Applicant's specification to pick and choose elements from the prior art is impermissible hindsight. See e.g., MPEP § 2142 (stating "impermissible hindsight must be avoided and the legal conclusion must be reached on the basis of the facts gleaned from the prior art").

Accordingly, Applicant respectfully asserts that independent claim 21 and related dependent claims are 25-32 are patentable over Madsen and Welsh under 35 U.S.C. § 103.

II. Rejection of claims 22-24 under 35 U.S.C. § 103 as being unpatentable over Madsen, Welsh and Duvigneau

On pages 8-9 of the Office Action, the Examiner rejected claims 22-24 under 35 U.S.C. § 103 as being unpatentable over Madsen, Welsh and Duvigneau, U.S. Publication No. 2007/012694.

A. Claims 22-24

Claims 22-24 depend from independent claim 21. As discussed above, independent claim 21 is patentable over Madsen and Welsh. Duvigneau was cited by the Examiner as allegedly teaching the elements of dependent claims 22 and 23. As such, Applicant respectfully

asserts that Duvigneau does not remedy the deficiencies of Madsen and Welsh discussed above in relation to claim 21.

Accordingly, Applicant respectfully asserts that claims 22-24 are patentable over Madsen, Welsh and Duvigneau under 35 U.S.C. § 103.

B. Claim 24

Applicant respectfully asserts that dependent claim 24 is further patentable over Madsen, Welsh and Duvigneau under 35 U.S.C. § 103. Dependent claim 24 recites "wherein the sliding path is perpendicular to the first front face and the first rear wall." To address this claim, the Examiner states "Regarding Claim 24, Madsen discloses the sliding path is perpendicular to the first front face and the first rear wall." See Office Action, paragraph 28, page 9. However, Applicant respectfully asserts that Madsen does not disclose a stacking container arrangement "wherein the sliding path is perpendicular to the first front face and the first rear wall," of the container as recited in claim 24.

In contrast, Madsen expressly discloses laterally orientated "bottom bridges 2" and "top bridges 3" that engage via lateral or sideways engagement/sliding. See FIG. 8A showing bottom bridge 2 having an "L-shape" facing toward the side of the container. Further, in describing its coupling arrangement, Madsen consistently describes its coupling engagement being achieved via sideways movement. See e.g., Madsen paragraph [0009] (stating "The final coupling is made by a slight *sideward* push on the top case) (emphasis added); see also Madsen, paragraphs [0002] and [0051]. As such, Applicant respectfully asserts that Madsen does not disclose "the sliding path is perpendicular to the first front face and the first rear wall" as argued by the Examiner and as recited in claim 24.

Accordingly, Applicant respectfully asserts that claim 24 is patentable over Madsen, Welsh and Duvigneau under 35 U.S.C. § 103.

New Claims

Applicant has added new dependent claims 36 and 37 to present claims of varying scope. No new matter has been added. Exemplary support for the new claims may be found at paragraphs [00201] and [00205], and FIGS. 1A and 4A-4D of the application as originally filed. New claims 36 and 37 depend from independent claim 21. Applicant respectfully asserts that new claims 36 and 37 are patentable for at least the same reasons set forth above regarding independent claim 21.

Further, Applicant respectfully asserts that transport lock 7 and locking tap 19 in Madsen (identified as the locking latch and locking latch arresting location of claim 21 by the Examiner; see Office Action, paragraph 11, page 5) appear to utilize a through-bore type channel to receive the adjacent locking mechanism in the container stack. See, Madsen FIGS. 5-7. As such, Applicant respectfully asserts that Madsen does not disclose, teach or suggest "wherein the first locking latch arresting location is a *recess defined in an upward facing surface* of the top face of the first lid," as recited in new claim 36 (emphasis added). Further, Applicant respectfully asserts that Madsen does not disclose, teach or suggest "wherein the recess comprises a front wall, a rear wall and *a bottom wall* extending between the front wall and the rear wall, wherein *a lower face of the locking latch faces the bottom wall* of the recess when the locking latch is in the locked position," as recited in new claim 37 (emphasis added).

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 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, that cited references are non-analogous art, 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 October 24, 2023

By /Derek H. Campbell/

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

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation et al.
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	18/330,972
Filing Date:	June 7, 2023
Examiner:	GIDEON R WEINERTH
Art Unit:	3736
Confirmation Number:	6782

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.

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.

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.

Respectfully submitted,

Date October 24, 2023

By /Derek H. Campbell/

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

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

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**	18/330,972
Date Submitted: October 24, 2023				**Filing Date**	June 7, 2023
				First Named Inventor	Yaron Brunner
(use as many sheets as necessary)				Art Unit	3736
				Examiner Name	GIDEON R WEINERTH
Sheet	1	of	1	Attorney Docket Number	066749-3925

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	9,447,804	09-20-2016	Andersson et al.	
	A2	11,530,716	12-20-2022	Bastian et al.	
	A3	2013/0239509	09-19-2013	Wang	
	A4	2014/0205373	07-24-2014	Andersson et al.	
	A5	2018/0031019	02-01-2018	Sjostedt et al.	
	A6	2020/0063776	02-27-2020	Bastian et al.	
	A7	2020/0146447	05-14-2020	Brendel 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	

*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 Patent Application Fee Transmittal

Application Number:	18330972
Filing Date:	07-Jun-2023
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:	066749-3925

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:	48758216
Application Number:	18330972
International Application Number:	
Confirmation Number:	6782
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:	066749-3925
Receipt Date:	24-OCT-2023
Filing Date:	07-JUN-2023
Time Stamp:	18:00:43
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	E20230NI01085343
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		06649-3925_Non-Final_Office_Action_Response.pdf	160325 cf18ba5f98e3f843f7616d3846123b6a60ed89b3	yes	12
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Amendment/Request for Reconsideration-After Non-Final Rejection		1	1	
	Claims		2	6	
	Applicant Arguments/Remarks Made in an Amendment		7	12	
Warnings:					
Information:					
2	Transmittal Letter	066749-3925-IDS_Transmittal.pdf	112959 4cec9a19017e74bd8132583393e731a232af3dd1	no	3
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Form (SB08)	066749-3925-SB08.pdf	155207 5b323d4e46c4125dd1d641d02acabc8af01f6b06	no	1
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
4	Fee Worksheet (SB06)	fee-info.pdf	38309 8b8dd4232f6c244f9a20aad46a2ab4687d2ff841	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	466800		

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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 18/330,972	Filing Date 06/07/2023	☐ 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	10/24/2023	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 17	Minus	** 20	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 1	Minus	*** 3	= 0		x $480 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	0

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

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

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

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
18/330,972	06/07/2023	Yaron Brunner	066749-3925

CONFIRMATION NO. 6782

142078
Reinhart (Milwaukee Tool)
ATTN: TRAVIS MCDONNELL, PARALEGAL
1000 NORTH WATER STREET
SUITE 2100
MILWAUKEE, WI 53202

PUBLICATION NOTICE

OC000000062912350

Date Mailed: 10/05/2023

Title: Utility Assembly and Coupling Mechanism

Publication No.US-2023-0312173-A1
Publication Date:10/05/2023

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently http://www.uspto.gov/patft/.

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

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

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

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/330,972	06/07/2023	Yaron Brunner	066749-3925	6782

142078 7590 08/14/2023

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

EXAMINER
WEINERTH, GIDEON R

ART UNIT	PAPER NUMBER
3736	

NOTIFICATION DATE	DELIVERY MODE
08/14/2023	ELECTRONIC

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

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

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

IPAdmin@reinhartlaw.com

Office Action Summary	Application No. 18/330,972	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 _____.

☐ 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) 21-35 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) 21-35 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 07 June 2023 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 7/13/2023, 6/7/2023.

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

4) ☑ Other: See Continuation Sheet.

Continuation of Attachment(s) 4) Other: Double Patenting Claim Comparison Chart

DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

Double Patenting

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

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on nonstatutory double patenting provided the reference application or patent either is shown to be commonly owned with the examined application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. See MPEP § 717.02 for applications subject to examination under the first inventor to file

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

The filing of a terminal disclaimer by itself is not a complete reply to a nonstatutory double patenting (NSDP) rejection. A complete reply requires that the terminal disclaimer be accompanied by a reply requesting reconsideration of the prior Office action. Even where the NSDP rejection is provisional the reply must be complete. See MPEP § 804, subsection I.B.1. For a reply to a non-final Office action, see 37 CFR 1.111(a). For a reply to final Office action, see 37 CFR 1.113(c). A request for reconsideration while not provided for in 37 CFR 1.113(c) may be filed after final for consideration. See MPEP §§ 706.07(e) and 714.13.

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

3. Claims 21-31, 33-35 rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-8 of U.S. Patent No. 11731807. Although the claims at issue are not identical, they are not patentably distinct from each other because there

is only a slight wording difference between the claims (such as male coupler vs. tongue). Please consider the included claim comparison chart.

4. Claim 32 is rejected on the ground of nonstatutory double patenting as being unpatentable over claim 1 of U.S. Patent No. 11731807 in view of Welsh (US 2007/0138041).

5. Claim 32 recites a tiltable/pivoting handle. However, as shown in Welsh, this feature is commonplace and would be obvious to implement as an obvious variation.

Claim Rejections - 35 USC § 103

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

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

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

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

1. Determining the scope and contents of the prior art.

2. Ascertaining the differences between the prior art and the claims at issue.

3. Resolving the level of ordinary skill in the pertinent art.

4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

9. Claims 21 and 25-32 are rejected under 35 U.S.C. 103 as being unpatentable over Madsen (US 2011/0139665) in view of Welsh (US 2007/0138041).

10. Regarding Claim 21, Madsen discloses a first container (10) comprising a first female coupler (4, 14) at a top face of the first lid, a first front face, a first side face, an second side face opposite the first side face, the first front face, the first side face, and the second side face collectively partially defining a storage compartment and a first corner extending between the first front face and the first side face. A second corner extends between the first front face and the second side face. Madsen also discloses a second container comprising a male coupler (2) extending from a bottom face of the second container, the male coupler configured to slide- engage with the first female coupler of the first container, wherein the first female coupler and male coupler engage each other when the first and second containers are slid with respect to each other.

11. Madsen also discloses a first locking latch arresting location (19) and a locking latch (7, 19) positionable in a locked position engaging the first locking latch arresting location thereby limiting sliding displacement of the first container with respect to the second container (Paragraph 0051).

12. Madsen does not disclose pivotable lids or a first corner bumper extending outward from the first corner and a second corner bumper extending outward from the second corner wherein the first corner bumper defines an outer surface that extends past and faces away from each of the first front face and the first side face, and wherein the second corner bumper defines an outer surface that extends past and faces away

from each of the first front face and the second side face and a second corner bumper extending outward from the second corner wherein the first corner bumper defines an outer surface that extends past and faces away from each of the first front face and the first side face, and wherein the second corner bumper defines an outer surface that extends past and faces away from each of the first front face and the second side face.

13. Welsh discloses a similar carrying case and tool box comprising a hinged lid (Paragraph 0015) and corner bumpers (70 – Paragraphs 0026, 0030). Madsen and Welsh are analogous inventions in the art of tool storage containers.

14. 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 stacking and locking boxes of Madsen with the corner bumpers of Welsh in order to cushion an impact load exerted on the case if the case is dropped on a hard surface (Paragraph 006). Furthermore, the use of hinged lids and covers are commonplace in the art of tool storage containers and one having ordinary skill in the art would recognize and find obvious the implementation of a hinge connected lid and body as disclosed in Welsh into the stacking containers of Madsen as the simple substitution of one known box and lid construction for another.

15. Regarding Claim 25, the second container of Madsen includes a second front face, a third side face, and a fourth side face opposite the third side face. The rectangular container of Madsen further comprises a third corner extending between the second front face and the third side face and a fourth corner extending between the second front face and the fourth side face. As disclosed in Welsh, these corners may include corner bumpers to protect the case against impact as discussed above.

16. Regarding Claim 26, Madsen discloses the first locking latch arresting location is defined by the top of the first container, and wherein the first locking latch arresting location defines a primary longitudinal axis that extends parallel to the first front face of the first container. The top of Madsen may be a hinged lid as disclosed in Welsh as an obvious variation.

17. Regarding Claim 27, while Madsen discloses a singular female coupler, Madsen does not disclose a plurality of female couplers including the first female coupler, each of the plurality of female couplers at the top face of the first lid, wherein the plurality of female couplers comprise four female couplers comprising a front row of at least two female couplers aligned with each other in a direction parallel to the first front face of the first container and a rear row of at least two female couplers aligned with each other in the direction parallel to the first front face of the first container. However, a person having ordinary skill in the art would be capable of providing a plurality of female couplers as an obvious variation in the duplication of parts that would provide no unexpected results. Please see MPEP 2144.04 VI Section B.

18. Regarding Claim 28, Madsen and Welsh do not disclose a first toggle locking latch configured to latch the first lid of the first container in a closed position, and a second toggle locking latch configured to latch the first lid of the first container in a closed position, and the second container comprising a third toggle locking latch configured to latch the second lid of the second container in a closed position, and a fourth toggle locking latch configured to latch the second lid of the second container in a closed position. However, the use of toggle latches to secure lids to container bodies is common in the art and would provide no unexpected results in the functioning of the

container. Therefore, as a matter of official notice, a person having ordinary skill in the art would implement toggle locking latches as an obvious variation to secure the lids to the container bodies. Please see Ben-Gigi (US 2015/0151427) Element 34.

19. Regarding Claim 29, a person having ordinary skill in the art would be capable of positioning locking latch to be between the toggle locking latches as an obvious variation in the rearrangement of parts that would provide only predictable results.

20. Regarding Claim 30, Madsen discloses the first locking latch arresting location is defined by the first lid of the first container, and wherein the first locking latch arresting location defines a primary longitudinal axis that extends parallel to the first front face of the first container.

21. Regarding Claim 31, Madsen discloses the locking latch is spring biased to engage with the first locking latch arresting location.

22. Regarding Claim 32, Welsh discloses the containers comprise a pivoting carrying handle (60) coupled to the first side face (Paragraph 0023). This pivoting handle may also be implemented in the second container at a side face of the second container as an obvious variation of known handle configurations in similar toolboxes.

23. Claim 22-24 is rejected under 35 U.S.C. 103 as being unpatentable over Modified Madsen (US 2011/0139665) in view of Welsh (US 2007/0138041) as applied to claim 21 above, and further in view of Duvigneau (US 2007/0012694).

24. Regarding Claim 22, Madsen in view of Welsh discloses the limitations of Claim 21 as discussed above. While Madsen discloses a first rear wall opposite the first front face and a pair of rear wheels (20) extending past the first rear wall (Paragraph 0056),

Madsen does not disclose a telescoping handle extending upwards from the first rear wall of the first container.

25. Duvigneau discloses a similar stacking portable container assembly comprising rear wheels (40) and a telescoping handle (46,47). Modified Madsen and Duvigneu are analogous inventions in the art of wheeled portable tool containers.

26. 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 wheeled container of Modified Madsen with the telescoping handle of Duvigneau in order to facilitate displacement of the tool containers by pulling and tilting the containers over the rear wheels (Paragraph 0036).

27. Regarding Claim 23, Madsen discloses the first female coupler of the first container and the male coupler of the second container engage each other when the first and second containers are slid with respect to each other along a sliding path defined by the first female coupler and the male coupler.

28. Regarding Claim 24, Madsen discloses the sliding path is perpendicular to the first front face and the first rear wall.

Conclusion

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

30. 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. 18/330,972	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-3201035-A	08-1965	EDGAR MARTIN PAUL	B65D21/0217	232/1R
*	B	US-20070012694-A1	01-2007	Duvigneau; Nikolai	B25H3/026	220/4.27
*	C	US-20170143090-A1	05-2017	Naiva; Matthew W.	B25H3/02	1/1
*	D	US-20170120679-A1	05-2017	Naiva; Matthew W.	A45C5/14	1/1
*	E	US-11192690-B1	12-2021	Brunner; Yaron	B65D21/0209	1/1
*	F	US-20220097926-A1	03-2022	Whitmire; J. Porter	B25H3/04	1/1
*	G	US-20230136626-A1	05-2023	CAI; Shujun	B25H3/02	206/503
	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.

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/330,972	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	08/09/2023								
	21	✓								
	22	✓								
	23	✓								
	24	✓								
	25	✓								
	26	✓								
	27	✓								
	28	✓								
	29	✓								
	30	✓								
	31	✓								
	32	✓								
	33	✓								
	34	✓								
	35	✓								

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/330,972	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

CPC - Searched*		
Symbol	**Date**	**Examiner**
A45C5/14	08/08/2023	GW
A45C7/005,0045	08/08/2023	GW
A45C13/02	08/08/2023	GW
A45F3/10	08/08/2023	GW
B25H1/04	08/08/2023	GW
B25H3/02,021,023	08/08/2023	GW
B62B1/14	08/08/2023	GW
B62B5/067	08/08/2023	GW
B65D21/0223,0209,0228	08/08/2023	GW
B65D2255/00	08/08/2023	GW
B65H2701/533	08/08/2023	GW

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

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
220	4.27	08/08/2023	GW

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

Search Notes		
Search Notes	**Date**	**Examiner**
IDS search, inventor search, update prior application searches	08/08/2023	GW

/GIDEON R WEINERTH/ Examiner, Art Unit 3736	

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/330,972	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

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

/GIDEON R WEINERTH/ Examiner, Art Unit 3736	

US Patent 11731807 / Application 18051749 Issued 8/22/2023	Application 18330972 – Filed 6/7/2023
1. A container assembly comprising: a first container comprising: a first coupler extending from a top face of the first container, the first coupler comprising two sidewalls, a back wall, and a rib, the back wall located between the two sidewalls, the two sidewalls and the back wall projecting above a depressed surface of the top face, and the rib extending away from the back wall in a first direction; a first lid pivotally attached to the first container; and a first toggle locking latch configured to latch the first lid of the first container in a closed position; and a second container comprising: a second coupler extending from the second container, the second coupler comprising a tongue extending in a direction parallel to a bottom face of the second container, the tongue extends in a second direction opposite the first direction, the tongue of the second container is engageable with the rib of the first container such that the tongue engages between the rib and the depressed surface; a second lid pivotally attached to the second container; a second toggle locking latch configured to latch the second lid of the second container in a closed position; a front face; a first side face; an opposing second side face; a first corner bumper coupled to the second container between the front face and the first side face, the first corner bumper defining a first outer surface that faces away from each of the front face and the first side face, and a second corner bumper coupled to the second container between the front face and the second side face, and the second corner bumper defining a second outer surface that faces away from each of the front face and the second side face; wherein the first and second couplers of the first and second containers engage each other when the first and second containers are slid with respect to each other along a sliding path defined by the rib and the tongue;	21. A container assembly comprising: a first container comprising: a first lid pivotally attached to the first container; a first female coupler at a top face of the first lid; a first front face, a first side face, an second side face opposite the first side face, the first front face, the first side face, and the second side face collectively partially defining a storage compartment; a first corner extending between the first front face and the first side face, and a second corner extending between the first front face and the second side face; a first corner bumper extending outward from the first corner; and a second corner bumper extending outward from the second corner; wherein the first corner bumper defines an outer surface that extends past and faces away from each of the first front face and the first side face, and wherein the second corner bumper defines an outer surface that extends past and faces away from each of the first front face and the second side face; and a first locking latch arresting location; and a second container comprising: a male coupler extending from a bottom face of the second container, the male coupler configured to slidingly engage with the first female coupler of the first container, wherein the first female coupler and male coupler engage each other when the first and second containers are slid with respect to each other; a second lid pivotally attached to the second container; and a locking latch positionable in a locked position engaging the first locking latch arresting location thereby limiting sliding displacement of the first container with respect to the second container.

a locking latch arresting location defined by one of the first container or the second container; and a locking latch coupled to the other of the first container or the second container, the locking latch positionable in a locked position engaging the locking latch arresting location thereby limiting sliding displacement of the first container with respect to the second container.	
2. The container assembly of claim 1, wherein the sliding path is perpendicular to the locking latch.	22. The container assembly of claim 21, the first container comprising: a first rear wall opposite the first front face; a pair of rear wheels extending past the first rear wall; and a telescoping handle extending upwards from the first rear wall of the first container.
3. The container assembly of claim 1, wherein the locking latch is spring biased to engage with the locking latch arresting location.	23. The container assembly of claim 22, wherein the first female coupler of the first container and the male coupler of the second container engage each other when the first and second containers are slid with respect to each other along a sliding path defined by the first female coupler and the male coupler.
4. The container assembly of claim 1, wherein a width of the second container is half of a width of the first container, and the second container is located on top of the first container.	24. The container assembly of claim 23, wherein the sliding path is perpendicular to the first front face and the first rear wall.
5. The container assembly of claim 1, wherein the first container further comprises a handle coupled to a front face of the first container and a second third toggle locking latch configured to latch the first lid of the first container in the closed position, wherein the handle is located between the first and second third toggle locking latches of the first container.	25. The container assembly of claim 21, the second container comprising: a second front face, a third side face, and a fourth side face opposite the third side face; a third corner extending between the second front face and the third side face; a fourth corner extending between the second front face and the fourth side face; a third corner bumper extending outward from the third corner, wherein the third corner bumper defines an outer surface that extends past and faces away from each of the second front face and the third side face; and a fourth corner bumper extending outward from the fourth corner, wherein the fourth corner bumper defines an outer surface that extends past and faces away from each of the second front face and the fourth side face.
6. The container assembly of claim 1, wherein the second coupler of the second container extends from the bottom face of the second container such that the tongue is offset from at least a portion of the bottom face of the second	26. The container assembly of claim 21, wherein the first locking latch arresting location is defined by the first lid of the first container, and wherein the first locking latch arresting location defines a primary longitudinal axis that extends parallel to the first front face of the first container.

container and wherein the rib engages between the tongue and the bottom face of the second container.	
7. The container assembly of claim 1, wherein the first container defines a width axis parallel to a front face of the first container and the second container defines a length axis perpendicular to the front face of the second container, wherein the width axis of the first container is perpendicular to the length axis of the second container when the second container is coupled on top of the first container.	27. The container assembly of claim 21, the first container comprising a plurality of female couplers including the first female coupler, each of the plurality of female couplers at the top face of the first lid, wherein the plurality of female couplers comprise four female couplers comprising a front row of at least two female couplers aligned with each other in a direction parallel to the first front face of the first container and a rear row of at least two female couplers aligned with each other in the direction parallel to the first front face of the first container.
8. The container assembly of claim 1, wherein the first container further comprises a pair of rear wheels and a telescoping handle extending upwards from a rear wall of the first container.	28. The container assembly of claim 21, the first container comprising a first toggle locking latch configured to latch the first lid of the first container in a closed position, and a second toggle locking latch configured to latch the first lid of the first container in a closed position, and the second container comprising a third toggle locking latch configured to latch the second lid of the second container in a closed position, and a fourth toggle locking latch configured to latch the second lid of the second container in a closed position.
9. A container assembly comprising: a first container comprising: a first coupler extending from a top face of the first container, the first coupler comprising two sidewalls, a back wall, and a rib, the back wall located between the two sidewalls, the two sidewalls and the back wall projecting above a depressed surface of the top face, and the rib extending away from the back wall in a first direction; a first lid pivotally attached to the first container; and a first toggle locking latch configured to latch the first lid of the first container in a closed position; and a second container comprising: a second coupler extending from the second container, the second coupler comprising a tongue extending in a direction parallel to a bottom face of the second container, the tongue extends in a second direction opposite the first direction, the tongue of the second container is engageable	29. The container assembly of claim 28, wherein the locking latch is coupled to the second container between the second toggle locking latch and the fourth toggle locking latch.

with the rib of the first container such that the tongue engages between the rib and the depressed surface, wherein the second coupler of the second container extends from the bottom face of the second container such that the tongue is offset from at least a portion of the bottom face of the second container and wherein the rib engages between the tongue and the bottom face of the second container; a second lid pivotally attached to the second container; and a second toggle locking latch configured to latch the second lid of the second container in a closed position; wherein the first and second couplers of the first and second containers engage each other when the first and second containers are slid with respect to each other along a sliding path defined by the rib and the tongue; a locking latch arresting location defined by one of the first container or the second container; and a locking latch coupled to the other of the first container or the second container, the locking latch positionable in a locked position engaging the locking latch arresting location thereby limiting sliding displacement of the first container with respect to the second container.	
10. The container assembly of claim 9, the second container comprising a front face, a first side face, an opposing second side face, a first corner bumper coupled to the second container between the front face and the first side face, and a second corner bumper coupled to the second container between the front face and the second side face, the first corner bumper defining a first outer surface that faces away from each of the front face and the first side face, and the second corner bumper defining a second outer surface that faces away from each of the front face and the second side face.	30. The container assembly of claim 21, wherein the first locking latch arresting location is defined by the first lid of the first container, and wherein the first locking latch arresting location defines a primary longitudinal axis that extends parallel to the first front face of the first container.
11. The container assembly of claim 9, wherein the sliding path is perpendicular to the locking latch.	31. The container assembly of claim 21, wherein the locking latch is spring biased to engage with the first locking latch arresting location.
12. The container assembly of claim 9, wherein the locking latch is spring biased to engage with the locking latch arresting location.	32. The container assembly of claim 21, the first container comprising a first tiltable carrying handle coupled to the first side face, and the second container comprising a second tiltable carrying handle coupled to a side face of the second container.

13. The container assembly of claim 9, wherein a width of the second container is half of a width of the first container, and the second container is located on top of the first container.	33. The container assembly of claim 21, wherein the first female coupler comprises two sidewalls, a back wall, and a first rib, the back wall located between the two sidewalls, the two sidewalls and the back wall projecting above a depressed surface of the top face of the first lid, and the first rib extending away from the back wall in a first direction towards the first front face of the first container; wherein the second container comprises a second female coupler at a top face of the second lid, the second female coupler comprising two sidewalls, a back wall, and a second rib, the back wall located between the two sidewalls, the two sidewalls and the back wall projecting above a depressed surface of the top face of the second lid, and the second rib extending away from the back wall towards a front face of the second container and the first front face of the first container; and wherein the first container defines a width axis parallel to the first front face of the first container and the second container defines a width axis parallel to the first front face of the first container, wherein the width axis of the second container is approximately one-half the width axis of the first container.
14. The container assembly of claim 9, wherein the first container further comprises a handle coupled to a front face of the first container and a third toggle locking latch configured to latch the first lid of the first container in the closed position, wherein the handle is located between the first and third toggle locking latches of the first container.	34. The container assembly of claim 21, the first container comprising a plurality of female couplers including the first female coupler, the plurality of female couplers at the top face of the first lid, the first container comprising a second locking latch arresting location; and the container assembly comprising a third container comprising: a second male coupler extending from a bottom face of the third container, the second male coupler configured to slidingly engage with one of the plurality of female couplers of the first container, wherein the second male coupler and the at least one of the plurality of female couplers engage each other when the first and second containers are slid with respect to each other; a third lid pivotally attached to the third container; a third female coupler at a top face of the first lid, the third female coupler comprising two sidewalls, a back wall, and

	a first rib, the back wall located between the two sidewalls, the two sidewalls and the back wall projecting above a depressed surface of the top face of the first lid, and the first rib extending away from the back wall towards a front face of the third container and the front face of the first container; and a second locking latch positionable in a locked position engaging the second locking latch arresting location thereby limiting sliding displacement of the third container with respect to the first container.
15. The container assembly of claim 9, wherein the first container defines a width axis parallel to a front face of the first container and the second container defines a length axis perpendicular to a front face of the second container, wherein the width axis of the first container is perpendicular to the length axis of the second container when the second container is coupled on top of the first container.	35. The container assembly of claim 34, wherein the first container defines a width axis parallel to the first front face of the first container, the second container defines a width axis parallel to the first front face of the first container, and the third container defines a width axis parallel to the first front face of the first container, wherein the width axis of the second container is approximately one-half the width axis of the first container, and the width axis of the third container is approximately one-half the width axis of the first container.
16. The container assembly of claim 9, wherein the first container further comprises a pair of rear wheels and a telescoping handle extending upwards from a rear wall of the first container.	
17. A container assembly comprising: a first container comprising: a first coupler extending from a top face of the first container, the first coupler comprising two sidewalls, a back wall, and a rib, the back wall located between the two sidewalls, the two sidewalls and the back wall projecting above a depressed surface of the top face, and the rib extending away from the back wall in a first direction; a first lid pivotally attached to the first container; and a first toggle locking latch configured to latch the first lid of the first container in a closed position; and a second container comprising: a second coupler extending from the second container, the second coupler comprising a tongue extending in a direction parallel to a bottom face of the second container, the tongue extends in a second direction opposite the first direction, the tongue of the second container is engageable	

with the rib of the first container such that the tongue engages between the rib and the depressed surface; a second lid pivotally attached to the second container; and a second toggle locking latch configured to latch the second lid of the second container in a closed position; wherein the first and second couplers of the first and second containers engage each other when the first and second containers are slid with respect to each other along a sliding path defined by the rib and the tongue; a locking latch arresting location defined by one of the first container or the second container; and a locking latch coupled to the other of the first container or the second container, the locking latch positionable in a locked position engaging the locking latch arresting location thereby limiting sliding displacement of the first container with respect to the second container; wherein the first container defines a width axis parallel to a first front face of the first container and the second container defines a length axis perpendicular to a second front face of the second container, wherein the width axis of the first container is perpendicular to the length axis of the second container when the second container is coupled on top of the first container.	
18. The container assembly of claim 17, the second container comprising a first side face, an opposing second side face, a first corner bumper coupled to the second container between the second front face and the first side face, and a second corner bumper coupled to the second container between the second front face and the second side face, the first corner bumper defining a first outer surface that faces away from each of the second front face and the first side face, and the second corner bumper defining a second outer surface that faces away from each of the second front face and the second side face.	
19. The container assembly of claim 17, wherein the sliding path is perpendicular to the locking latch.	
20. The container assembly of claim 17, wherein the locking latch is spring biased to engage with the locking latch arresting location.	
21. The container assembly of claim 17, wherein the first container further comprises a handle coupled to the first front face of the first container and a third toggle locking	

latch configured to latch the first lid of the first container in the closed position, wherein the handle is located between the first and third toggle locking latches of the first container.	
22. The container assembly of claim 17, wherein the second coupler of the second container extends from the bottom face of the second container such that the tongue is offset from at least a portion of the bottom face of the second container and wherein the rib engages between the tongue and the bottom face of the second container.	
23. The container assembly of claim 18, wherein the first container further comprises a pair of rear wheels and a telescoping handle extending upwards from a rear wall of the first container.	

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

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

Substitute for form 1449/PTO				***Complete if Known***	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	To be determined
				Filing Date	June 7, 2023
Date Submitted: June 7, 2023				**First Named Inventor**	Yaron Brunner
				Art Unit	To be determined
(use as many sheets as necessary)				Examiner Name	To be determined
Sheet	1	of	22	Attorney Docket Number	066749-3925

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	495,537	04-18-1893	Westerman	
	A2	509,839	11-28-1893	Bowley	
	A3	1,081,378	12-16-1913	Freeman	
	A4	1,084,360	01-13-1914	Rahm	
	A5	2,042,387	05-26-1936	COBB DAVID F	
	A6	2,103,106	12-21-1937	Yurkovitch	
	A7	2,124,541	07-26-1938	Cassey	
	A8	2,210,235	08-06-1940	Filbert	
	A9	2,372,845	04-03-1945	Nelson	
	A10	2,386,343	10-09-1945	Regenhardt	
	A11	2,430,200	11-04-1947	Wilson Winfred E.	
	A12	2,588,009	03-04-1952	Jones	
	A13	2,733,076	01-31-1956	Burnett	
	A14	2,939,613	06-07-1960	Herman et al.	
	A15	2,970,358	02-07-1961	E. C. Elsner	
	A16	3,117,692	01-14-1964	Carpenter et al.	
	A17	3,225,865	12-28-1965	J. W. Downey	
	A18	3,370,236	02-20-1968	Walker	
	A19	3,423,786	01-28-1969	Arias, Jr. et al.	
	A20	3,424,334	01-28-1969	Goltz	
	A21	3,506,321	04-14-1970	Hampel	
	A22	3,514,170	05-26-1970	Shewchuk	
	A23	3,552,817	01-05-1971	Marcolongo	
	A24	3,567,298	03-02-1971	Ambaum et al.	
	A25	3,685,866	08-22-1972	Patenaude	
	A26	3,743,372	07-03-1973	Ruggerone	
	A27	3,835,623	09-17-1974	Kline	
	A28	3,851,936	12-03-1974	Muller	
	A29	3,935,613	02-03-1976	Kaneko	
	A30	3,974,898	08-17-1976	Tullis et al.	

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: June 7, 2023

(use as many sheets as necessary)

Sheet 2 of 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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	3,999,818	12-28-1976	Schankler	
	A32	4,122,925	10-31-1978	Schultheiss	
	A33	4,168,076	09-18-1979	Johnson	
	A34	4,243,279	01-06-1981	Ackeret	
	A35	4,303,367	12-01-1981	Bott	
	A36	4,564,732	01-14-1986	Lancaster et al.	
	A37	4,660,725	04-28-1987	Fishman et al.	
	A38	4,673,070	06-16-1987	Ambal	
	A39	4,735,107	04-05-1988	Winkie	
	A40	4,805,859	02-21-1989	Hudson	
	A41	4,817,237	04-04-1989	Murphy	
	A42	4,929,973	05-29-1990	Nakatani	
	A43	4,971,201	11-20-1990	Sathre	
	A44	5,035,389	07-30-1991	Wang	
	A45	5,035,445	07-30-1991	Poulin	
	A46	5,098,235	03-24-1992	Svetlik et al.	
	A47	5,105,947	04-21-1992	Wise, Thomas W.	
	A48	5,154,291	10-13-1992	Sur	
	A49	5,240,264	08-31-1993	Williams	
	A50	5,282,554	02-01-1994	Thomas	
	A51	5,301,829	04-12-1994	Chrisco	
	A52	5,325,966	07-05-1994	Chang	
	A53	5,356,038	10-18-1994	Banks	
	A54	5,356,105	10-18-1994	Andrews	
	A55	5,375,709	12-27-1994	Petro	
	A56	5,429,235	07-04-1995	Chen	
	A57	5,429,260	07-041995	Vollers; Gary L.	
	A58	5,433,416	07-18-1995	Johnson	
	A59	5,454,634	10-03-1995	Herbst et al.	
	A60	5,538,213	07-23-1996	Brown Office Systems Inc.	
	A61	5,595,228	01-21-1997	Meisner et al.	
	A62	5,608,603	03-04-1997	Su	

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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**	To be determined
Date Submitted: June 7, 2023				**Filing Date**	June 7, 2023
				First Named Inventor	Yaron Brunner
(use as many sheets as necessary)				Art Unit	To be determined
				Examiner Name	To be determined
Sheet	3	of	22	Attorney Docket Number	066749-3925

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
	A63	5,622,296	04-22-1997	Pirhonen et al.	
	A64	5,628,443	05-13-1997	Deutsch	
	A65	5,653,366	08-05-1997	Liserre	
	A66	5,664,292	09-09-1997	Chen	
	A67	5,775,046	07-07-1998	Fanger et al.	
	A68	5,797,617	08-25-1998	Lin Shiou Chang	
	A69	5,850,996	12-22-1998	Liang	
	A70	5,890,613	04-06-1999	Williams	
	A71	5,906,381	05-25-1999	Hovatter	
	A72	5,951,037	09-14-1999	Hsieh Hung-Ching	
	A73	5,957,421	09-28-1999	Barbour	
	A74	5,988,473	11-23-1999	Hagan et al.	
	A75	6,036,071	03-14-2000	Hartmann et al.	
	A76	6,050,660	04-18-2000	Gurley	
	A77	6,082,539	07-04-2000	Lee	
	A78	6,082,687	07-04-2000	Kump et al.	
	A79	6,085,925	07-11-2000	Chung	
	A80	6,098,858	08-08-2000	Laugesen	
	A81	6,109,627	08-29-2000	Sung Hoan Be	
	A82	6,123,344	09-26-2000	Clegg	
	A83	6,131,926	10-17-2000	Harlan	
	A84	6,176,559	01-23-2001	Tiramani et al.	
	A85	6,305,498	10-23-2001	Itzkovitch	
	A86	6,311,881	11-06-2001	Kamiya	
	A87	6,347,847	02-19-2002	Tiramani et al.	
	A88	6,354,759	03-12-2002	Leicht	
	A89	6,367,631	04-09-2002	Steigerwald	
	A90	6,371,320	04-16-2002	Sagol	
	A91	6,371,321	04-16-2002	Lee	
	A92	6,371,424	04-16-2002	Shaw	
	A93	6,431,580	08-13-2002	Darren J. Kady	
	A94	6,497,395	12-24-2002	Croker	

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: June 7, 2023

(use as many sheets as necessary)

Sheet | 4 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A95	6,547,347	04-15-2003	Saito; Yoshiyuki	
	A96	6,601,930	08-05-2003	Tiramani et al.	
	A97	6,619,772	09-16-2003	Dierbeck	
	A98	6,637,707	10-28-2003	Gates; George D.	
	A99	6,641,013	11-04-2003	Oise	
	A100	6,666,362	12-23-2003	LeTrudet	
	A101	6,889,838	05-10-2005	Meier et al.	
	A102	6,945,546	09-20-2005	Edward G. Guirlinger	
	A103	6,948,691	09-27-2005	Brock et al.	
	A104	6,983,946	01-10-2006	Sullivan et al.	
	A105	7,007,903	03-07-2006	Turner	
	A106	7,044,484	05-16-2006	Wang	
	A107	7,066,475	06-27-2006	Bret E. Barnes	
	A108	7,077,372	07-18-2006	Moran	
	A109	7,090,085	08-15-2006	Vicendese et al.	
	A110	7,121,417	10-17-2006	Magnusson et al.	
	A111	7,147,243	12-12-2006	Darren Kady	
	A112	7,152,752	12-26-2006	Kurtenbach	
	A113	7,172,164	02-06-2007	Fueling et al.	
	A114	7,219,969	05-22-2007	Bezzubov	
	A115	7,263,742	09-04-2007	Guido Valentini	
	A116	7,350,648	04-01-2008	Gerstner et al.	
	A117	7,367,571	05-06-2008	Nichols	
	A118	7,416,193	08-26-2008	Barnett	
	A119	7,503,569	03-17-2009	Duvigneau	
	A120	7,658,887	02-09-2010	Hovatter	
	A121	7,690,856	04-06-2010	Mortensen	
	A122	7,757,913	07-20-2010	Fichera	
	A123	7,779,764	08-24-2010	NAIDU et al.	
	A124	7,780,026	08-24-2010	Zuckerman	
	A125	7,837,165	11-23-2010	Stone	
	A126	7,841,144	11-30-2010	Pervan; Darko	

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: June 7, 2023

(use as many sheets as necessary)

Sheet 5 of 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A127	8,028,845	10-04-2011	Himes	
	A128	8,132,819	03-13-2012	Landau; Eitan	
	A129	8,177,463	05-15-2012	Walker; Peter J	
	A130	8,191,910	06-05-2012	Landau et al.	
	A131	8,292,244	10-23-2012	Okada	
	A132	8,448,829	05-28-2013	Watanabe	
	A133	8,454,033	06-04-2013	Tsai	
	A134	8,459,495	06-11-2013	Koenig; Andreas	
	A135	8,505,729	08-13-2013	Sosnovsky et al.	
	A136	8,567,796	10-29-2013	Bar-Erez et al.	
	A137	8,590,704	11-26-2013	Koenig et al.	
	A138	8,602,217	12-10-2013	Sosnovsky et al.	
	A139	8,640,913	02-04-2014	Berendes	
	A140	8,657,307	02-25-2014	Lifshitz	
	A141	8,677,661	03-25-2014	Michels; Markus	
	A142	8,689,396	04-08-2014	Melvin E. Wolfe	
	A143	8,714,355	05-06-2014	Huang	
	A144	8,813,960	08-26-2014	Fjelland; Douglas J.	
	A145	8,851,282	10-07-2014	Brunner	
	A146	8,875,888	11-04-2014	Koenig; Andreas	
	A147	8,894,160	11-25-2014	Christensen	
	A148	8,925,752	01-06-2015	Smith	
	A149	8,974,139	03-10-2015	Saul	
	A150	8,979,100	03-17-2015	Bensman et al.	
	A151	8,985,922	03-24-2015	Neumann	
	A152	9,132,543	09-15-2015	Bar-Erez; Sharon	
	A153	9,506,489	11-29-2016	Ko	
	A154	9,511,491	12-06-2016	Brunner	
	A155	9,551,367	01-24-2017	Shieh	
	A156	9,566,990	02-14-2017	Bar-Erez; Sharon	
	A157	9,616,562	04-11-2017	Hoppe; Christopher S.	
	A158	9,643,629	05-09-2017	The Stanley Works Israel Ltd.	

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: June 7, 2023

(use as many sheets as necessary)

Sheet 6 of 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A159	9,701,443	07-11-2017	Wang; Tzu-Chien	
	A160	9,725,209	08-08-2017	Ben-Gigi	
	A161	9,776,651	10-03-2017	Huang	
	A162	9,850,029	12-26-2017	Brunner	
	A163	9,872,562	01-23-2018	Brunner; Yaron	
	A164	9,888,752	02-13-2018	Den Boer et al.	
	A165	10,017,134	07-10-2018	Pickens et al.	
	A166	10,106,180	10-23-2018	Bar-Erez et al.	
	A167	10,222,172	03-05-2019	Melville	
	A168	10,406,387	09-10-2019	Krepel et al.	
	A169	10,434,638	10-08-2019	Tsai	
	A170	10,583,962	03-10-2020	Brunner et al.	
	A171	10,603,783	03-31-2020	Brocket et al.	
	A172	10,703,534	07-07-2020	Brunner et al.	
	A173	10,750,833	08-25-2020	Burchia	
	A174	10,758,065	09-01-2020	Penalver, Jr.	
	A175	10,793,172	10-06-2020	Brunner	
	A176	10,829,269	11-10-2020	Gonitianer et al.	
	A177	10,894,314	01-19-2021	Hocine et al.	
	A178	10,933,501	03-02-2021	Bisson	
	A179	10,962,218	03-30-2021	Plato et al.	
	A180	10,981,696	04-20-2021	Brunner et al.	
	A181	11,008,136	05-18-2021	Brunner et al.	
	A182	11,027,883	06-08-2021	Brunner et al.	
	A183	11,059,631	07-13-2021	Brunner et al.	
	A184	11,066,089	07-20-2021	Brunner	
	A185	11,155,382	10-26-2021	Cai	
	A186	11,230,410	01-25-2022	Brunner	
	A187	11,283,117	03-22-2022	Polakowski et al.	
	A188	11,338,959	05-24-2022	Hoppe et al.	
	A189	11,385,055	07-12-2022	Millane	
	A190	11,426,859	08-30-2022	Squiers et al.	

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: June 7, 2023

(use as many sheets as necessary)

Sheet 7 of 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A191	11,464,335	10-11-2022	Brunner et al.	
	A192	11,510,486	11-29-2022	Adams	
	A193	11,529,985	12-20-2022	Brunner et al.	
	A194	11,554,898	01-17-2023	Brunner et al.	
	A195	2002/0000440	01-03-2002	Sagal et al.	
	A196	2002/0030425	03-14-2002	Tiramani et al.	
	A197	2002/0125072	09-12-2002	Levy	
	A198	2002/0171228	11-21-2002	Kady	
	A199	2003/0075468	04-24-2003	Story et al.	
	A200	2003/0094392	05-22-2003	Meier et al.	
	A201	2003/0094393	05-22-2003	Sahm, III	
	A202	2003/0115715	06-26-2003	Guido Valentini	
	A203	2003/0146589	08-07-2003	Jarko et al.	
	A204	2003/0184034	10-02-2003	Pfeiffer	
	A205	2003/0205877	11-06-2003	Verna et al.	
	A206	2004/0074725	04-22-2004	Shih	
	A207	2004/0103494	06-03-2004	Valentini	
	A208	2004/0149754	08-05-2004	Diamant	
	A209	2004/0195793	10-07-2004	Sullivan, Hugh C., et al.	
	A210	2004/0206656	10-21-2004	Dubois et al.	
	A211	2004/0256529	12-23-2004	Richter	
	A212	2005/0015928	01-27-2005	Arsenault et al.	
	A213	2005/0062244	03-24-2005	Guirlinger	
	A214	2005/0104308	05-19-2005	Barnes	
	A215	2005/0139745	06-30-2005	Liao, Chi-Cheng	
	A216	2005/0242144	11-03-2005	Panosian et al.	
	A217	2006/0006770	01-12-2006	Valentini	
	A218	2006/0027475	02-09-2006	Gleason et al.	
	A219	2006/0038367	02-23-2006	Ferraro; Frank A.	
	A220	2006/0076261	04-13-2006	Kurtenbach	
	A221	2006/0119060	06-08-2006	Sullivan et al.	
	A222	2006/0165482	07-27-2006	Olberding	

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: June 7, 2023

(use as many sheets as necessary)

Sheet | 8 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A223	2006/0186624	08-24-2006	Kady, Darren	
	A224	2006/0254946	11-16-2006	Becklin	
	A225	2007/0006542	01-11-2007	Duke	
	A226	2007/0045505	03-01-2007	Chen	
	A227	2007/0068757	03-29-2007	Tan	
	A228	2007/0090616	04-26-2007	Tompkins	
	A229	2007/0138041	06-21-2007	Welsh	
	A230	2007/0145700	06-28-2007	Ambrose et al.	
	A231	2007/0194543	08-23-2007	Duvigneau	
	A232	2007/0273114	11-29-2007	Katz	
	A233	2008/0060953	03-13-2008	Ghassan	
	A234	2008/0104921	05-08-2008	Pervan; Darko	
	A235	2008/0115312	05-22-2008	DiPasquale et al.	
	A236	2008/0121547	05-29-2008	Dur et al.	
	A237	2008/0134607	06-12-2008	Pervan; Darko	
	A238	2008/0169667	07-17-2008	Siniarski et al.	
	A239	2008/0169739	07-17-2008	Goldenberg; Ruth	
	A240	2008/0271280	11-06-2008	FUCHS FRANK et al.	
	A241	2008/0277221	11-13-2008	Josefson; Mark L.	
	A242	2008/0280523	11-13-2008	Bishop	
	A243	2008/0296443	12-04-2008	Lunitz et al.	
	A244	2008/0308369	12-18-2008	Louis; Robert D.	
	A245	2009/0026901	01-29-2009	Nies, III et al.	
	A246	2009/0044827	02-19-2009	Zilber et al.	
	A247	2009/0071990	03-19-2009	Jardine et al.	
	A248	2009/0127146	05-21-2009	Krebs et al.	
	A249	2009/0145790	06-11-2009	Panosian; Michael Harmik	
	A250	2009/0145866	06-11-2009	Panosian et al.	
	A251	2009/0145913	06-11-2009	Panosian et al.	
	A252	2009/0178946	07-16-2009	Patstone et al.	
	A253	2009/0236482	09-24-2009	SS3 Storage Systems LLC	
	A254	2009/0288970	11-26-2009	Katz et al.	

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: June 7, 2023

(use as many sheets as necessary)

Sheet 9 of 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A255	2010/0052276	03-04-2010	Brunner	
	A256	2010/0139566	06-10-2010	Lopuszanski, Michel	
	A257	2010/0147642	06-17-2010	Andochick; Scott E.	
	A258	2010/0176261	07-15-2010	Chen et al.	
	A259	2010/0219193	09-02-2010	Becklin	
	A260	2010/0224528	09-09-2010	Madsen	
	A261	2010/0254757	10-07-2010	Saul	
	A262	2011/0049824	03-03-2011	Bar-Erez et al.	
	A263	2011/0073516	03-31-2011	Zelinskiy; Konstantin	
	A264	2011/0127736	06-02-2011	Oliver	
	A265	2011/0139665	06-16-2011	Madsen	
	A266	2011/0139777	06-16-2011	Sosnovsky et al.	
	A267	2011/0155613	06-30-2011	Koenig, Andreas et al.	
	A268	2011/0181008	07-28-2011	BENSMAN;MARK	
	A269	2011/0220531	09-15-2011	Meether et al.	
	A270	2011/174939	07-21-2013	Parts Express International Inc.	
	A271	2012/0073995	03-29-2012	Parker	
	A272	2012/0074022	03-29-2012	McTavish et al.	
	A273	2012/0074158	03-29-2012	Lafleur	
	A274	2012/0080432	04-05-2012	Bensman et al.	
	A275	2012/0152944	06-21-2012	Vilkomirski et al.	
	A276	2012/0160886	06-28-2012	Henny Paul et al.	
	A277	2012/0180250	07-19-2012	KAERCHER GMBH AND CO ALFRED KG	
	A278	2012/0207571	08-16-2012	Scott, Charles Shay	
	A279	2012/0292213	11-22-2012	Brunner	
	A280	2012/0326406	12-27-2012	LIFSHITZ; Omri	
	A281	2013/0024468	01-24-2013	Kocsis, Susan C.	
	A282	2013/0031731	02-07-2013	KAERCHER GMBH AND CO ALFRED KG	
	A283	2013/0031732	02-07-2013	KAERCHER GMBH AND CO ALFRED KG	
	A284	2013/0068903	03-21-2013	Peerless Ind Inc.	

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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**	To be determined
Date Submitted: June 7, 2023				**Filing Date**	June 7, 2023
				First Named Inventor	Yaron Brunner
(use as many sheets as necessary)				Art Unit	To be determined
				Examiner Name	To be determined
Sheet	10	of	22	Attorney Docket Number	066749-3925

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
	A285	2013/0121783	05-16-2013	Kelly; Thomas P.	
	A286	2013/0127129	05-23-2013	Bensman, Mark et al.	
	A287	2013/0146551	06-13-2013	Electrolux Home Prod Inc.	
	A288	2013/0154218	06-20-2013	TIILIKAINEN	
	A289	2013/0206139	08-15-2013	Krepel et al.	
	A290	2013/0223971	08-29-2013	Grace IV, Robert W.	
	A291	2014/0062042	03-06-2014	Wagner et al.	
	A292	2014/0069832	03-13-2014	Roehm	
	A293	2014/0076759	03-20-2014	ROEHM et al.	
	A294	2014/0123478	05-08-2014	Gylander et al.	
	A295	2014/0161518	06-12-2014	KO	
	A296	2014/0166516	06-19-2014	Martinez; Mark R.	
	A297	2014/0197059	07-17-2014	Evans et al.	
	A298	2015/0014949	01-15-2015	Dittman	
	A299	2015/0034515	02-05-2015	Monyak et al.	
	A300	2015/0151427	06-04-2015	Ben-Gigi	
	A301	2015/0274362	10-01-2015	CHRISTOPHER et al.	
	A302	2015/0310842	10-29-2015	Coburn et al.	
	A303	2015/0376917	12-31-2015	Brunner	
	A304	2016/0023349	01-28-2016	Milwaukee Electric Tool Corporation	
	A305	2016/0130034	05-12-2016	Kuhls; Timo	
	A306	2016/0144500	05-26-2016	CHEN; KUN-CHEN	
	A307	2016/0168880	06-16-2016	Phelan; Matthew	
	A308	2016/0213115	07-28-2016	Gonitianer et al.	
	A309	2016/0221177	08-04-2016	Reinhart	
	A310	2017/0121056	05-04-2017	Wang; Tzu-Chien	
	A311	2017/0138382	05-18-2017	Ko	
	A312	2017/0158216	06-08-2017	Yahav et al.	
	A313	2017/0165828	06-15-2017	Festool GmbH	
	A314	2017/0166352	06-15-2017	Hoppe; Christopher S.	
	A315	2017/0174392	06-22-2017	De Loynes	

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: June 7, 2023

(use as many sheets as necessary)

Sheet | 11 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A316	2017/0217464	08-03-2017	Bar-erez et al.	
	A317	2017/0239808	08-24-2017	Hoppe; Christopher S.	
	A318	2017/0257958	09-07-2017	The Stanley Works Israel Ltd.	
	A319	2017/0266804	09-21-2017	Kinskey	
	A320	2017/0318927	11-09-2017	Krause et al.	
	A321	2017/0349013	12-07-2017	GRONHOLM	
	A322	2018/0044059	02-15-2018	BRUNNER; Yaron	
	A323	2018/0099405	04-12-2018	Reinhart	
	A324	2018/0127007	05-10-2018	Kravchenko	
	A325	2018/0153312	06-07-2018	Buck James et al.	
	A326	2018/0161975	06-14-2018	Brunner; Yaron	
	A327	2018/0186513	07-05-2018	Brunner	
	A328	2018/0213934	08-02-2018	Wolle et al.	
	A329	2018/0220758	08-09-2018	Rothenberger AG	
	A330	2018/0229889	08-16-2018	Li	
	A331	2018/0290288	10-11-2018	BRUNNER; Yaron	
	A332	2019/0001482	01-03-2019	Wolle et al.	
	A333	2019/0002004	01-03-2019	BRUNNER; Yaron	
	A334	2019/0031222	01-31-2019	TAKYAR et al.	
	A335	2019/0039781	02-07-2019	Kogel	
	A336	2019/0106244	04-11-2019	Brunner et al.	
	A337	2019/0168376	06-06-2019	Brocket et al.	
	A338	2019/0225371	07-25-2019	Hoppe et al.	
	A339	2020/0029543	01-30-2020	Householder	
	A340	2020/0055534	02-20-2020	HASSELL	
	A341	2020/0078929	03-12-2020	Liu	
	A342	2020/0147781	05-14-2020	Squiers et al.	
	A343	2020/0165036	05-28-2020	Squiers et al.	
	A344	2020/0223585	07-16-2020	Brunner et al.	
	A345	2020/0243925	07-30-2020	Polakowski et al.	
	A346	2020/0299027	09-24-2020	Brunner et al.	
	A347	2020/0346819	11-05-2020	Kogel et al.	

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: June 7, 2023

(use as many sheets as necessary)

Sheet | 12 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A348	2020/0383507	12-10-2020	Cox	
	A349	2021/0025706	01-28-2021	Millane	
	A350	2021/0031975	02-04-2021	Brunner et al.	
	A351	2021/0039831	02-11-2021	Brunner et al.	
	A352	2021/0094600	04-01-2021	Brunner et al.	
	A353	2021/0104909	04-08-2021	Mantych	
	A354	2021/0104914	04-08-2021	Cholst	
	A355	2021/0154824	05-27-2021	Barton	
	A356	2021/0155373	05-27-2021	Cai	
	A357	2021/0187725	06-24-2021	Brunner	
	A358	2021/0221561	07-22-2021	Davidian et al.	
	A359	2021/0267368	09-02-2021	Bruins	
	A360	2021/0316909	10-14-2021	Vargo et al.	
	A361	2021/0360803	11-18-2021	Semon et al.	
	A362	2022/0117393	04-21-2022	Jenkins et al.	
	A363	2022/0240671	08-04-2022	Blumenthal et al.	
	A364	2022/0258324	08-18-2022	Blumenthal et al.	
	A365	2022/0369781	11-24-2022	Brunner et al.	
	A366	2022/0402113	12-22-2022	Brunner et al.	
	A367	2023/0027343	01-26-2023	Zheng et al.	
	A368	2023/0036215	02-02-2023	Williams et al.	
	A369	D232,798	09-17-1974	Roche et al.	
	A370	D285,986	10-07-1986	Huang	
	A371	D319,016	08-13-1991	Kahl	
	A372	D325,324	04-14-1992	Kahl	
	A373	D326,815	06-09-1992	Meisner et al.	
	A374	D340,167	10-12-1993	Kahl	
	A375	D352,208	11-08-1994	Brookshire	
	A376	D361,511	08-22-1995	Dickinson et al.	
	A377	D395,533	06-23-1998	Morison et al.	
	A378	D415,393	10-19-1999	Kei	
	A379	D420,860	02-22-2000	Golichowski et al.	

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: June 7, 2023

(use as many sheets as necessary)

Sheet | 13 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A380	D437,484	02-13-2001	Tiramani et al.	
	A381	D437,669	02-13-2001	BLASON et al.	
	A382	D456,972	05-07-2002	BLASON et al.	
	A383	D525,789	08-01-2006	Hosking	
	A384	D527,225	08-29-2006	Krieger et al.	
	A385	D536,580	02-13-2007	Krieger et al.	
	A386	D630,851	01-18-2011	Landau et al.	
	A387	D649,350	11-29-2011	Shitrit	
	A388	D649,783	12-06-2011	Brunner	
	A389	D653,832	02-07-2012	Vilkomirski et al.	
	A390	D661,858	06-12-2012	Lifshitz et al.	
	A391	D663,952	07-24-2012	CREVLING et al.	
	A392	D664,354	07-31-2012	CREVLING et al.	
	A393	D668,869	10-16-2012	Yamamoto et al.	
	A394	D674,605	01-22-2013	Vilkomirski et al.	
	A395	D701,696	04-01-2014	Shitrit et al.	
	A396	D738,105	09-08-2015	Shitrit	
	A397	D738,106	09-08-2015	Shitrit	
	A398	D738,622	09-15-2015	Sabbag et al.	
	A399	D753,394	04-12-2016	Brunner	
	A400	D753,395	04-12-2016	Brunner	
	A401	D753,396	04-12-2016	Brunner	
	A402	D753,982	04-19-2016	Guirlinger	
	A403	D765,974	09-13-2016	Tonelli et al.	
	A404	D770,179	11-01-2016	Menirom	
	A405	D777,426	01-31-2017	Dahl	
	A406	D784,089	04-18-2017	Furneaux et al.	
	A407	D790,221	06-27-2017	Yahav et al.	
	A408	D803,631	11-28-20017	Min et al.	
	A409	D806,483	01-02-2018	Stanford et al.	
	A410	D814,187	04-03-2018	Caglar	
	A411	D815,831	04-24-2018	Tonelli	

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: June 7, 2023

(use as many sheets as necessary)

Sheet | 14 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A412	D816,334	05-01-2018	Brunner	
	A413	D826,510	08-21-2018	Brunner	
	A414	D828,671	09-11-2018	COPE et al.	
	A415	D831,352	10-23-2018	Brunner	
	A416	D833,744	11-20-2018	Yahav et al.	
	A417	D836,995	01-01-2019	Carey et al.	
	A418	D837,515	04-08-2019	Shpitzer	
	A419	D839,681	02-05-2019	Evron et al.	
	A420	D845,080	04-09-2019	Jacobsen	
	A421	D845,081	04-08-2019	Jacobsen	
	A422	D857,387	08-27-2019	Shpitzer	
	A423	D871,013	12-24-2019	LIU	
	A424	D873,085	01-21-2020	DeFrancia	
	A425	D876,833	03-03-2020	Brunner et al.	
	A426	D880,252	04-07-2020	Jacobsen	
	A427	D880,951	04-14-2020	Jacobsen	
	A428	D883,752	05-12-2020	Carey et al.	
	A429	D887,788	06-23-2020	Meda et al.	
	A430	D888,422	06-30-2020	Yang	
	A431	D888,503	06-30-2020	Meda et al.	
	A432	D891,193	06-28-2020	Stanford et al.	
	A433	D891,195	07-28-2020	Zhou	
	A434	D891,875	08-04-2020	Olson	
	A435	D892,565	08-11-2020	Astle et al.	
	A436	D895,375	09-08-2020	Hurley, Jr.	
	A437	D895,966	09-15-2020	Brunner et al.	
	A438	D895,967	09-15-2020	Brunner et al.	
	A439	D896,517	09-22-2020	Brunner et al.	
	A440	D896,518	09-22-2020	Brunner et al.	
	A441	D897,103	09-29-2020	Brunner et al.	
	A442	D898,320	10-06-2020	Brunner et al.	
	A443	D917,977	05-04-2021	Brunner et al.	

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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**	To be determined
Date Submitted: June 7, 2023				**Filing Date**	June 7, 2023
				First Named Inventor	Yaron Brunner
(use as many sheets as necessary)				Art Unit	To be determined
				Examiner Name	To be determined
Sheet	15	of	22	Attorney Docket Number	066749-3925

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
	A444	D918,584	05-11-2021	Brunner et al.	
	A445	D919,296	05-18-2021	Brunner et al.	
	A446	D920,671	06-01-2021	Brunner et al.	
	A447	D923,935	07-06-2021	Brunner et al.	
	A448	D932,186	10-05-2021	Brunner et al.	
	A449	D936,030	11-16-2021	Lee et al.	
	A450	D941,020	01-18-2022	Brunner et al.	
	A451	D967,693	10-25-2022	Brunner	
	A452	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

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]
	A453	CN101068661	11-07-2007	BOSCH GMBH ROBERT		
	A454	CN102137795	07-27-2011	TTS ToolTechnic Systems AG		
	A455	CN102248523	11-23-2011	CHANGHONG HAN et al.		
	A456	CN102469899	05-23-2012	KAERCHER GMBH AND CO KG ALFRED		
	A457	CN102608238	07-25-2012	Zhengzhou Tobacco Res Cntc		
	A458	CN102834035	12-19-2012	KAERCHER GMBH AND CO ALFRED KG		
	A459	CN103118578	05-22-2013	KAERCHER GMBH AND CO ALFRED KG		
	A460	CN103659777	03-26-2014	Bosch GMBH Robert		
	A461	CN200947356	09-12-2007	FU GANG		

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: June 7, 2023

(use as many sheets as necessary)

Sheet | 16 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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]
	A462	CN204161752	02-18-2015	Meridian International Co Ltd		
	A463	CN2608238	03-31-2004	BAO JIANGANG		
	A464	CN302371147	03-27-2013	吉田攻一郎		
	A465	DE 202015005752	11-21-2016	PLASTON AG		
	A466	DE 202015105053	10-31-2016	AUER PACKAGING GMBH		
	A467	DE102004057870	06-01-2006	BOSCH GMBH ROBERT		
	A468	DE102010003754	10-13-2011	KAERCHER GMBH AND CO ALFRED KG		
	A469	DE102010003756	10-13-2011	KAERCHER GMBH AND CO ALFRED KG		
	A470	DE102012106482	01-23-2014	WAIGEL JOACHIM		
	A471	DE102012220837	05-15-2014	BOSCH GMBH ROBERT		
	A472	DE102015013053	04-13-2017	BURCHIA ROLF		
	A473	DE102015112204	02-16-2017	PERL MICHAEL		
	A474	DE19750543	05-20-1999	FESTO TOOLTECHNIC GMBH AND CO		
	A475	DE202011002617	04-28-2011	Bekuplast Kunststoffverarbeitungs-GmbH		
	A476	DE202014103695	10-30-2014	Metabowerke Gmbh		
	A477	DE20218996	03-06-2003	TTS TOOLTECHNIC SYSTEMS AG		
	A478	DE29708343	07-03-1997	FLIESEN RICHTER GMBH		
	A479	DE3510307	09-25-1986	SPIELHOFF HANS-PETER		
	A480	DE402018201520	05-11-2018	Dirk SCHLENZKA		
	A481	DE4415638	11-09-1995	Halm		
	A482	DE9313802	12-02-1993	TUNG I ENTERPRISE CO		
	A483	EM000705231-0001	04-12-2007	Terry Store-Age S.P.A.		
	A484	EM002419283-0001	03-06-2014	Keter Plastic Ltd.		
	A485	EP0916302	05-19-1999	FESTO TOOLTECHNIC GMBH AND CO		
	A486	EP1321247	06-25-2003	VALENTINI GUIDO		
	A487	EP1428764	06-16-2004	DUBOIS JEAN-MARC et al.		
	A488	EP1819487	08-22-2007	BOSCH GMBH ROBERT		

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: June 7, 2023

(use as many sheets as necessary)

Sheet | 17 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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]
	A489	EP2289671	03-02-2011	Stanley Works Israel		
	A490	EP2346741	07-27-2011	MADSEN JENS OLE		
	A491	EP2456341	05-30-2012	KAERCHER GMBH AND CO ALFRED KG		
	A492	EP2555660	02-13-2013	KAERCHER GMBH AND CO ALFRED KG		
	A493	EP2555661	02-13-2013	KAERCHER GMBH AND CO ALFRED KG		
	A494	EP2805799	11-23-2016	FLEISCHMANN BERND et al.		
	A495	EP3141354	03-15-2017	KOCH SIMON et al.		
	A496	GB2047181B	02-02-1983	REUNIS SA ATELIERS		
	A497	GB2110076	06-15-1983	Ostling Bernt et al.		
	A498	GB2330521	04-28-1999	SPOONER PAUL		
	A499	GB2406331	03-30-2005	JEFFRIES JULIAN CLIFFORD		
	A500	GB2413265	10-26-2005	THOMSON BRIAN		
	A501	GB2449934	12-10-2008	Protrend Co Ltd.		
	A502	GB694707	07-22-1953	GEORGE ARTHUR CHARD		
	A503	JP D1180963	08-04-2003	Name not in English		
	A504	JP D1455321	11-12-2012	Name not in English		
	A505	JP D1625407	02-25-2019	Name not in English		
	A506	JP1276744	07-18-2006	Hirofumi Kishimoto		
	A507	JP1477050	08-19-2013	Ryosuke Omachi		
	A508	JP2003194020A	07-09-2003	SUGIMURA ATSUAKI		
	A509	JP2013022972	02-04-2013	IZUMI DOI, HIDEKI NOMA, MASAYUKI NAKANISHI		
	A510	JP2013022976	02-04-2013	DAIFUKU KK		
	A511	JPD1395115	08-16-2010	Toyoharu Senda		
	A512	JPD1395116	08-16-2010	Toyoharu Senda		
	A513	JPD1503434	07-28-2014	Name not in English		
	A514	JPD1665028	08-03-2020	Keter Plastic LTD et al.		
	A515	KR 3008066040000	07-22-2015	Woojubon Co. LTD		

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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**	To be determined
Date Submitted: June 7, 2023				**Filing Date**	June 7, 2023
				First Named Inventor	Yaron Brunner
(use as many sheets as necessary)				Art Unit	To be determined
				Examiner Name	To be determined
Sheet	18	of	22	Attorney Docket Number	066749-3925

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]
	A516	KR 3008496000000	04-15-2016	Hwang, Hyung Keun		
	A517	KR30-0271616	02-09-2000	Joong Chui Ahm		
	A518	KR30-0320243	06-10-2002	Joung Gu Kang		
	A519	KR3008422360000	03-02-2016	NPC Co., Ltd. HYUNDAI GLOVIS Co., Ltd.		
	A520	KR3008599650000	06-22-2016	NPC Co., Ltd.		
	A521	KR3008812960000	11-15-2016	NPC Co., Ltd.		
	A522	KR3009995990000	03-27-2019	Korea Container Pool Co, Ltd		
	A523	TW 206875	05-21-1993	Name not in English		
	A524	TW D192092	08-11-2018	Name not in English		
	A525	TW135074	06-01-2010	Yi Hua Wu		
	A526	TW168686	07-01-2015	Kang Delun Business Co., Ltd.		
	A527	TW174412	03-21-2016	Lee Hsin Chang		
	A528	TWI324578	05-11-2010	NAIDU VISHNU et al.		
	A529	WO07121745	11-01-2007	MADSEN JENS OLE		
	A530	WO07121746	11-01-2007	MADSEN JENS OLE		
	A531	WO09140965	11-26-2009	MADSEN JENS OLE		
	A532	WO11009480	01-27-2011	RICKLEFSEN DIRK et al.		
	A533	WO13026084	02-28-2013	VAN DER LINDE et al.		
	A534	WO14125488	08-21-2014	BRUNNER YARON		
	A535	WO17212840	12-14-2017	FURUTA YOSHIHISA		
	A536	WO2005/045886	05-19-2005	Brooks Automation, Inc.		
	A537	WO2007/121746	11-01-2007	J.O. MADSEN APS; MADSEN JENS OLE		
	A538	WO2007121745A1	11-01-2007	MADSEN JENS OLE		
	A539	WO2009/140965	11-26-2009	J.O. MADSEN APS; MADSEN JENS OLE		
	A540	WO2011/009480	01-27-2011	HENSEL MAIC; HESS STEFAN; KAERCHER GMBH & CO KG		
	A541	WO2013/026084	02-28-2013	CONNOR PAUL FRANCIS; DEMAIN TECHNOLOGY PTY LTD.		

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: June 7, 2023

(use as many sheets as necessary)

Sheet 19 of 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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]
	A542	WO2014/125488	08-21-2014	KETER PLASTIC LTD		
	A543	WO2016142935	09-15-2016	BRUNNER, Yaron et al.		
	A544	WO2017/212840	12-14-2017	GENESIS CO., LTD.		
	A545	WO2017028845	02-23-2017	ROTHENBERGER AG		
	A546	WO2017191628	11-09-2017	BRUNNER YARON		

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]
	A547	Inter Partes Review No. 2021-00373, "Petition for Inter Partes Review of U.S. Pat. No. 10,583,962," filed January 5, 2021, 198 pages.	
	A548	Exhibit 1001 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 64 pages.	
	A549	Exhibit 1002 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 75 pages.	
	A550	Exhibit 1003 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 13 pages.	
	A551	Exhibit 1004 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 18 pages.	
	A552	Exhibit 1005 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 9 pages.	
	A553	Exhibit 1006 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 176 pages.	
	A554	Exhibit 1007 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 22 pages.	
	A555	Exhibit 1008 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 6 pages.	

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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**	To be determined
				Filing Date	June 7, 2023
Date Submitted: June 7, 2023				**First Named Inventor**	Yaron Brunner
				Art Unit	To be determined
(use as many sheets as necessary)				Examiner Name	To be determined
Sheet	20	of	22	Attorney Docket Number	066749-3925

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]
	A556	Exhibit 1009 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 24 pages.	
	A557	Exhibit 1010 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 19 pages.	
	A558	Exhibit 1011 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 26 pages.	
	A559	Exhibit 1012 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 3 pages.	
	A560	Exhibit 1013 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 168 pages.	
	A561	Exhibit 1014 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, PART A pages 1-166 of 481 pages.	
	A562	Exhibit 1014 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, PART B pages 167-320 of 481 pages.	
	A563	Exhibit 1014 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, PART C pages 321-481 of 481 pages.	
	A564	Exhibit 1015 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 6 pages.	
	A565	Exhibit 1016 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 242 pages.	
	A566	Exhibit 1017 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 6 pages.	
	A567	Exhibit 1018 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 250 pages.	
	A568	Exhibit 1019 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 44 pages.	

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: June 7, 2023

(use as many sheets as necessary)

Sheet | 21 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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]
	A569	Exhibit 1020 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 5 pages.	
	A570	Exhibit 1021 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 1 page.	
	A571	Exhibit 1022 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 1 page.	
	A572	Exhibit 1023 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 24 pages.	
	A573	Exhibit 1024 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 28 pages.	
	A574	"Blitz Box – Portable Storage Box / Shelf," The Green Head Finds Cool New Stuff, https://www.thegreenhead.com/2013/03/blitz-box-portable-storage-box-shelf.php, Per Wayback, website dates back to February 15, 2015, 5 pages.	
	A575	"BluCave Universal Storage System," BATAVIA Tools to Build, https://batavia.eu/blucave-storage-system/, believed to be available at least as early as November 29, 2017, 5 pages.	
	A576	"Dewalt TSTAK Carrier Trolley," ITS, https://www.its.co.uk/pd/171229-Dewalt-TSTAK-Carrier-Trolley-_DEW171229.htm, Per Wayback, website dates back to May 2, 2015, 2 pages.	
	A577	"DeWalt TSTAK Vac Rack (Suits DW DWV902M & DWV900L) DWV9500-XJ," Get Tools Direct, https://www.gettoolsdirect.com.au/dewalt-tstak-vac-rack-suits-dwv902m-and-dwv900l-dwv9500-xj.html, believed to be available at least as early as November 29, 2017, 4 pages.	
	A578	"Hopkins FloTool 91002 Rhino Box with Mount," Amazon.com, https://www.amazon.com/exec/obidos/ASIN/B003K15F3I/20140000-20, believed to be available at least as early as November 29, 2017, 7 pages.	
	A579	"Tool Skool, TSTAK Phase 2 Upgrades | TSTAK Carts – First Look – Tool Skool," YouTube, September 7, 2013, https://www.youtube.com/watch?v=jb06y6J1dr4&feature=youtu.be&t=197, 1 page.	
	A580	Batavia Gmbh, BluCave Storage System, https://protect-us.mimecast.com/s/5XIGCR6KypcgJnlKi9EDoim?domain=batavia.eu, believed to be available at least as early as November 29, 2017, 7 pages.	
	A581	BluCave Video, https://www.youtube.com/watch?v=Sw7fQQPwoOtY&feature=youtu.be&t=32, believed to be available at least as early as November 29, 2017.	

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

PTO/SB/08 (09-06)
Approved for use through 03/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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

Substitute for form 1449/PTO				***Complete if Known***	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	To be determined
				Filing Date	June 7, 2023
Date Submitted: June 7, 2023				**First Named Inventor**	Yaron Brunner
				Art Unit	To be determined
(use as many sheets as necessary)				Examiner Name	To be determined
Sheet	22	of	22	Attorney Docket Number	066749-3925

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]
	A582	International Search Report and Written Opinion for International Application No. PCT/IL2019/050689, dated August 23, 2019, 21 pages.	
	A583	International Search Report and Written Opinion for International Application No. PCT/US2018/033161, dated August 6, 2018, 14 pages.	
	A584	International Search Report and Written Opinion for International Application No. PCT/US2018/044629, dated January 9, 2019, 22 pages.	
	A585	International Search Report and Written Opinion for International Application No. PCT/US2019/014940, dated July 26, 2019, 7 pages.	
	A586	International Search Report and Written Opinion for International Application No. PCT/IL2020/050433, dated June 21, 2020, 14 pages	
	A587	Sortimo Logistix, "Mobile Sortimente", brochure, believed to be available at least as early as November 29, 2017, 17 pages.	
	A588	STUART, "Ryobi ToolBlox Tool Cabinet System!," TOOLGUYD, September 18, 2014, https://toolguyd.com/ryobi-toolblox-cabinets/, 23 pages.	
	A589	STUART, "Sys-Cart Base, a Systainer Mounting Platform," TOOLGUYD, July 28, 2014, https://toolguyd.com/systainer-sys-cart-mounting-base/, 11 pages.	
	A590	VERTAK, https://www.alibaba.com/product-detail/Vertak-global-patented-multi-funciton-portable_60217794260.html, believed to be available at least as early as November 29, 2017.	
	A591	Non-Final Rejection issued April 12, 2018, in United States Application No. 15/826,201. (16 Pages) (Docket No. J699501JS01 446373-419).	

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

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

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**	18/330,972
Date Submitted: July 13, 2023				**Filing Date**	June 7, 2023
				First Named Inventor	Yaron Brunner
(use as many sheets as necessary)				Art Unit	To be determined
				Examiner Name	To be determined
Sheet	1	of	1	Attorney Docket Number	066749-3925

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	9,089,964	07-28-2015	Cheng	
/G.R.W/	A2	11,124,347	09-21-2021	Chen	
/G.R.W/	A3	11,253,037	02-22-2022	Bomer	
/G.R.W/	A4	11,612,998	03-28-2023	Byington	

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	/GIDEON R WEINERTH/	Date Considered	08/08/2023

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**.

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

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	1656	((("Milwaukee") near3 ("Electric") near3 ("Tool") near3 ("Corporation"))).AS,AANM.	(USPAT)	OR	ON	ON	2023/08/08 04:38 PM
L2	226	((("Keter") near3 ("Plastic") near3 ("LTD"))).AS,AANM.	(USPAT)	OR	ON	ON	2023/08/08 04:39 PM
L3	117	((("Squiers") near3 ("Grant") near3 ("T"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:39 PM
L4	157	((("Hoppe") near3 ("Christopher") near3 ("S"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:40 PM
L5	246	((("Hyma") near3 ("Steven") near3 ("W"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:40 PM
L6	572	220/4.27.ccls.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:41 PM
L7	1367	B65D21/0223,0209,0228.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:41 PM
L8	2562	A45C5/14.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:41 PM
L9	138	A45C7/005.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:42 PM
L10	3899	A45C13/02.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:42 PM
L11	510	A45F3/10.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:42 PM
L12	1063	B25H1/04.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:42 PM
L13	1616	B25H3/02,021.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:42 PM
L14	1249	B62B1/14.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:43 PM
L15	459	A45C7/0045.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:43 PM
L16	516	B25H3/023.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:43 PM
L17	1197	B62B5/067.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:43 PM
L18	76	B65D2255/00.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:43 PM
L19	236	B65H2701/533.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:43 PM
L20	4	(US-11124347-$ | US-11253037-$ | US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:45 PM

		11612998-$ | US-9089964-$).DID.					
L21	16	("3025995" | "4524494" | "4635326" | "6368694" | "7264863" | "8376166" | "8690471" | "8844719" | "10219595" | "20030038054" | "20060264076" | "20070138041" | "20070251855" | "20120160733" | "20130032506").pn. OR ("11124347").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:46 PM
L22	12	("3025995").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:46 PM
L23	813	(US-0000440-$ | US-0001482-$ | US-0002004-$ | US-0006542-$ | US-0006770-$ | US-0014949-$ | US-0015928-$ | US-0023349-$ | US-0024468-$ | US-0025706-$ | US-0026901-$ | US-0027343-$ | US-0027475-$ | US-0029543-$ | US-0030425-$ | US-0031222-$ | US-0031731-$ | US-0031732-$ | US-0031975-$ | US-0034515-$ | US-0036215-$ | US-0038367-$ | US-0039781-$ | US-0039831-$ | US-0044059-$ | US-0044827-$ | US-0045505-$ | US-0049824-$ | US-0052276-$ | US-0055534-$ | US-0060953-$ | US-0062042-$ | US-0062244-$ | US-0068757-$ | US-0068903-$ | US-0069832-$ | US-0071990-$ | US-0073516-$ | US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:50 PM

		0073995-$ | US- 0074022-$ | US- 0074158-$ | US- 0074725-$ | US- 0075468-$ | US- 0076261-$ | US- 0076759-$ | US- 0078929-$ | US- 0080432-$ | US- 0090616-$ | US- 0094392-$ | US- 0094393-$ | US- 0094600-$ | US- 0099405-$ | US- 0103494-$ | US- 0104308-$ | US- 0104909-$ | US- 0104914-$ | US- 0104921-$ | US- 0106244-$ | US- 0115312-$ | US- 0115715-$ | US- 0117393-$ | US- 0119060-$ | US- 0121056-$ | US- 0121547-$ | US- 0121783-$ | US- 0123478-$ | US- 0125072-$ | US- 0127007-$ | US- 0127129-$ | US- 0127146-$ | US- 0127736-$ | US- 0130034-$ | US- 0134607-$ | US- 0138041-$ | US- 0138382-$ | US- 0139566-$ | US- 0139665-$ | US- 0139745-$ | US- 0139777-$ | US- 0144500-$ | US- 0145700-$ | US- 0145790-$ | US- 0145866-$ | US- 0145913-$ | US- 0146551-$ | US- 0146589-$ | US- 0147642-$ | US- 0147781-$ | US- 0149754-$ | US- 0151427-$ | US- 0152944-$ | US- 0153312-$ | US- 0154218-$ | US- 0154824-$ | US- 0155373-$ | US- 0155613-$ | US-					

		0158216-$ | US- 0160886-$ | US- 0161518-$ | US- 0161975-$ | US- 0165036-$ | US- 0165482-$ | US- 0165828-$ | US- 0166352-$ | US- 0166516-$ | US- 0168376-$ | US- 0168880-$ | US- 0169667-$ | US- 0169739-$ | US- 0171228-$ | US- 0174392-$ | US- 0176261-$ | US- 0178946-$ | US- 0180250-$ | US- 0181008-$ | US- 0184034-$ | US- 0186513-$ | US- 0186624-$ | US- 0187725-$ | US- 0194543-$ | US- 0195793-$ | US- 0197059-$ | US- 0205877-$ | US- 0206139-$ | US- 0206656-$ | US- 0207571-$ | US- 0213115-$ | US- 0213934-$ | US- 0217464-$ | US- 0219193-$ | US- 0220531-$ | US- 0220758-$ | US- 0221177-$ | US- 0221561-$ | US- 0223585-$ | US- 0223971-$ | US- 0224528-$ | US- 0225371-$ | US- 0229889-$ | US- 0236482-$ | US- 0239808-$ | US- 0240671-$ | US- 0242144-$ | US- 0243925-$ | US- 0254757-$ | US- 0254946-$ | US- 0256529-$ | US- 0257958-$ | US- 0258324-$ | US- 0266804-$ | US- 0267368-$ | US- 0271280-$ | US- 0271616-$ | US- 0273114-$ | US-						

		0274362-$ | US- 0277221-$ | US- 0280523-$ | US- 0288970-$ | US- 0290288-$ | US- 0292213-$ | US- 0296443-$ | US- 0299027-$ | US- 0308369-$ | US- 0310842-$ | US- 0316909-$ | US- 0318927-$ | US- 0320243-$ | US- 0326406-$ | US- 0346819-$ | US- 0349013-$ | US- 0360803-$ | US- 0369781-$ | US- 0376917-$ | US- 0383507-$ | US- 0402113-$ | US- 1081378-$ | US- 1084360-$ | US- 10017134-$ | US- 10106180-$ | US- 10222172-$ | US- 10406387-$ | US- 10434638-$ | US- 10583962-$ | US- 10603783-$ | US- 10703534-$ | US- 10750833-$ | US- 10758065-$ | US- 10793172-$ | US- 10829269-$ | US- 10894314-$ | US- 10933501-$ | US- 10962218-$ | US- 10981696-$ | US- 11008136-$ | US- 11027883-$).DID. (US- 11059631-$ | US- 11066089-$ | US- 11155382-$ | US- 11230410-$ | US- 11338959-$ | US- 11385055-$ | US- 11426859-$ | US- 11464335-$ | US- 11510486-$ | US- 11529985-$ | US- 11554898-$ | US- 2042387-$ | US- 2103106-$ | US- 2124541-$ | US- 2210235-$ | US- 2372845-$ | US- 2386343-$ | US-					

		2480200-$ | US- 2588009-$ | US- 2733076-$ | US- 2939613-$ | US- 2970358-$ | US- 20020000440-$ | US- 20020030425-$ | US- 20020125072-$ | US- 20020171228-$ | US- 20030075468-$ | US- 20030094392-$ | US- 20030094393-$ | US- 20030115715-$ | US- 20030146589-$ | US- 20030184034-$ | US- 20030205877-$ | US- 20040074725-$ | US- 20040103494-$ | US- 20040149754-$ | US- 20040195793-$ | US- 20040206656-$ | US- 20040256529-$ | US- 20050015928-$ | US- 20050062244-$ | US- 20050104308-$ | US- 20050139745-$ | US- 20050242144-$ | US- 20060006770-$ | US- 20060027475-$ | US- 20060038367-$ | US- 20060076261-$ | US- 20060119060-$ | US- 20060165482-$ | US- 20060186624-$ | US- 20060254946-$ | US- 20070006542-$ | US- 20070045505-$ | US- 20070068757-$ | US- 20070090616-$ | US- 20070138041-$ | US- 20070145700-$ | US- 20070194543-$ | US- 20070273114-$ | US- 20080060953-$ | US- 20080104921-$ | US- 20080115312-$ | US- 20080121547-$ | US- 20080134607-$ | US- 20080169667-$ | US- 20080169739-$ | US- 20080271280-$ | US- 20080277221-$ | US- 20080280523-$ | US- 20080296443-$ | US- 20080308369-$ | US- 20090026901-$ | US- 20090044827-$ | US- 20090071990-$ | US-					

		20090127146-$ | US- 20090145790-$ | US- 20090145866-$ | US- 20090145913-$ | US- 20090178946-$ | US- 20090236482-$ | US- 20090288970-$ | US- 20100052276-$ | US- 20100139566-$ | US- 20100147642-$ | US- 20100176261-$ | US- 20100219193-$ | US- 20100224528-$ | US- 20100254757-$ | US- 20110049824-$ | US- 20110073516-$ | US- 20110127736-$ | US- 20110139665-$ | US- 20110139777-$ | US- 20110155613-$ | US- 20110181008-$ | US- 20110220531-$ | US- 20120073995-$ | US- 20120074022-$ | US- 20120074158-$ | US- 20120080432-$ | US- 20120152944-$ | US- 20120160886-$ | US- 20120180250-$ | US- 20120207571-$ | US- 20120292213-$ | US- 20120326406-$ | US- 20130024468-$ | US- 20130031731-$ | US- 20130031732-$ | US- 20130068903-$ | US- 20130121783-$ | US- 20130127129-$ | US- 20130146551-$ | US- 20130154218-$ | US- 20130206139-$ | US- 20130223971-$ | US- 20140062042-$ | US- 20140069832-$ | US- 20140076759-$ | US- 20140123478-$ | US- 20140161518-$ | US- 20140166516-$ | US- 20140197059-$ | US- 20140000-$ | US- 20150014949-$ | US- 20150034515-$ | US- 20150151427-$ | US- 20150274362-$ | US- 20150310842-$ | US- 20150376917-$ | US- 20160023349-$ | US- 20160130034-$ | US-					

		20160144500-$ | US- 20160168880-$ | US- 20160213115-$ | US- 20160221177-$ | US- 20170121056-$ | US- 20170138382-$ | US- 20170158216-$ | US- 20170165828-$ | US- 20170166352-$ | US- 20170174392-$ | US- 20170217464-$ | US- 20170239808-$ | US- 20170257958-$ | US- 20170266804-$ | US- 20170318927-$ | US- 20170349013-$ | US- 20180044059-$ | US- 20180099405-$ | US- 20180127007-$ | US- 20180153312-$ | US- 20180161975-$ | US- 20180186513-$ | US- 20180213934-$ | US- 20180220758-$ | US- 20180229889-$ | US- 20180290288-$).DID. (US-20190001482-$ | US-20190002004-$ | US-20190031222-$ | US-20190039781-$ | US-20190106244-$ | US-20190168376-$ | US-20190225371-$ | US-20200029543-$ | US-20200055534-$ | US-20200078929-$ | US-20200147781-$ | US-20200165036-$ | US-20200223585-$ | US-20200243925-$ | US-20200299027-$ | US-20200346819-$ | US-20200383507-$ | US-20210025706-$ | US-20210031975-$ | US-20210039831-$ | US-20210094600-$ | US-20210104909-$ | US-20210104914-$ | US-20210154824-$ | US-20210155373-$ | US-20210187725-$ | US-20210221561-$ | US-20210267368-$ | US-20210316909-$ | US-20210360803-$ | US-20220117393-$ | US-20220240671-$ |					

		US-20220258324-$ | US-20220369781-$ | US-20220402113-$ | US-20230027343-$ | US-20230036215-$ | US-3117692-$ | US-3225865-$ | US-3370236-$ | US-3423786-$ | US-3424334-$ | US-3506321-$ | US-3514170-$ | US-3552817-$ | US-3567298-$ | US-3685866-$ | US-3748372-$ | US-3835623-$ | US-3851936-$ | US-3935613-$ | US-3974898-$ | US-3999818-$ | US-4122925-$ | US-4168076-$ | US-4243279-$ | US-4303367-$ | US-4564732-$ | US-4660725-$ | US-4673070-$ | US-4735107-$ | US-4805859-$ | US-4817237-$ | US-4929973-$ | US-4971201-$ | US-5035389-$ | US-5035445-$ | US-5098235-$ | US-5105947-$ | US-5154291-$ | US-5240264-$ | US-5282554-$ | US-5301829-$ | US-5325966-$ | US-5356038-$ | US-5356105-$ | US-5375709-$ | US-5429235-$ | US-5454634-$ | US-5538213-$ | US-5595228-$ | US-5608603-$ | US-5622296-$ | US-5628443-$ | US-5653366-$ | US-5664292-$ | US-5775046-$ | US-5797617-$ | US-5850996-$ | US-5890613-$ | US-					

		5906381-$ | US- 5951037-$ | US- 5957421-$ | US- 5988473-$ | US- 6036071-$ | US- 6050660-$ | US- 6082539-$ | US- 6082687-$ | US- 6085925-$ | US- 6098858-$ | US- 6109627-$ | US- 6123344-$ | US- 6131926-$ | US- 6176559-$ | US- 6305498-$ | US- 6311881-$ | US- 6347847-$ | US- 6354759-$ | US- 6367631-$ | US- 6371320-$ | US- 6371321-$ | US- 6371424-$ | US- 6431580-$ | US- 6497395-$ | US- 6547347-$ | US- 6601930-$ | US- 6619772-$ | US- 6637707-$ | US- 6641013-$ | US- 6666362-$ | US- 6889838-$ | US- 6945546-$ | US- 6948691-$ | US- 6983946-$ | US- 7007903-$ | US- 7044484-$ | US- 7090085-$ | US- 7147243-$ | US- 7152752-$ | US- 7219969-$ | US- 7263742-$ | US- 7350648-$ | US- 7367571-$ | US- 7416193-$ | US- 7503569-$ | US- 7658887-$ | US- 7690856-$ | US- 7757913-$ | US- 7780026-$ | US- 7837165-$ | US- 7841144-$ | US- 8028845-$ | US- 8132819-$ | US- 8177463-$ | US- 8191910-$ | US- 8292244-$ | US- 8448829-$ | US- 8454033-$ | US-					

		8459495-$ | US- 8505729-$ | US- 8567796-$ | US- 8590704-$ | US- 8602217-$ | US- 8640913-$ | US- 8657307-$ | US- 8677661-$ | US- 8689396-$ | US- 8714355-$ | US- 8813960-$ | US- 8851282-$ | US- 8875888-$ | US- 8894160-$ | US- 8925752-$ | US- 8974139-$ | US- 8979100-$ | US- 8985922-$ | US- 9132543-$ | US- 9506489-$ | US- 9511491-$ | US- 9551367-$ | US- 9566990-$ | US- 9616562-$ | US- 9643629-$ | US- 9701443-$ | US- 9725209-$ | US- 9776651-$ | US- 9850029-$ | US- 9872562-$ | US- 9888752-$ | US- D232798-$ | US- D285986-$ | US- D319016-$ | US- D325324-$ | US- D326815-$ | US- D340167-$ | US- D352208-$).DID. (US- D361511-$ | US- D395533-$ | US- D415393-$ | US- D420860-$ | US- D437484-$ | US- D437669-$ | US- D456972-$ | US- D525789-$ | US- D527225-$ | US- D536580-$ | US- D630851-$ | US- D649350-$ | US- D649783-$ | US- D653832-$ | US- D661858-$ | US- D663952-$ | US- D664354-$ | US- D668869-$ | US- D674605-$ | US- D701696-$ | US-						

		D738105-$ | US- D738106-$ | US- D738622-$ | US- D753394-$ | US- D753395-$ | US- D753396-$ | US- D753982-$ | US- D765974-$ | US- D770179-$ | US- D784089-$ | US- D790221-$ | US- D803631-$ | US- D806483-$ | US- D814187-$ | US- D815831-$ | US- D816334-$ | US- D826510-$ | US- D828671-$ | US- D831352-$ | US- D833744-$ | US- D836995-$ | US- D837515-$ | US- D839681-$ | US- D845080-$ | US- D845081-$ | US- D857387-$ | US- D871013-$ | US- D873085-$ | US- D876833-$ | US- D880252-$ | US- D880951-$ | US- D883752-$ | US- D887788-$ | US- D888422-$ | US- D888503-$ | US- D891193-$ | US- D891195-$ | US- D891875-$ | US- D892565-$ | US- D895375-$ | US- D895966-$ | US- D895967-$ | US- D896517-$ | US- D896518-$ | US- D897103-$ | US- D898320-$ | US- D917977-$ | US- D918584-$ | US- D919296-$ | US- D920671-$ | US- D923935-$ | US- D932186-$ | US- D936030-$ | US- D941020-$ | US- D967693-$ | US- RE47022-$).DID.					
L24	17	("5683097" | "6559791" | "6644447" | "7503569"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:51 PM

		| "8820497" | "8919508" | "9277796" | "20020070517" | "20080223679" | "20090149279" | "20090266833").pn. OR ("11066089").urpn. AND (PGPB | USPT | USOC).dbnm.					
L25	817	L23 L20	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:52 PM
L26	87	("3356325" | "4525052").pn. OR ("4929973").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:58 PM
L27	361	("0495537" | "0509839" | "1081378" | "1084360" | "2042387" | "2124541" | "2430200" | "2939613" | "2970358" | "3117692" | "3225865" | "3423786" | "3424334" | "3506321" | "3514170" | "3743372" | "D232798" | "3935613" | "3974898" | "3999818" | "4122925" | "4168076" | "4243279" | "D285986" | "4673070" | "4805859" | "4817237" | "4929973" | "4971201" | "5035445" | "D319016" | "5098235" | "D325324" | "5105947" | "D326815" | "5240264" | "D340167" | "5282554" | "5301829" | "5325966" | "5356038" | "5356105" | "D352208" | "5375709" | "5429235" | "5429260" | "5433416" | "D361511" | "5538213" | "5595228" | "5608603" | "5622296" | "5628443" | "5653366" | "5664292" | "D395533" | "5775046" | "5797617" | "5850996" | "5890613" | "5951037" | "5957421" | "D415393" | "5988473" | "D420860" | "6050660" | "6082539" | "6082687" | "6085925" | "6098858" | "6109627" | "6176559" | "D437669" | "6305498" | "6347847" | "6367631" | "6371320" | "6371424" | "D456972" | "6431580" | "6547347" | "6601930"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 04:59 PM

		| "6619772" | "6637707" | "6641013" | "6889838" | "6945546" | "6948691" | "6983946" | "7044484" | "7066475" | "7077372" | "D525789" | "D527225" | "7090085" | "7147243" | "7152752" | "D536580" | "7172164" | "7219969" | "7263742" | "7367571" | "7503569" | "7658887" | "7690856" | "7779764" | "7780026" | "7837165" | "7841144" | "D630851" | "8028845" | "D649350" | "D653832" | "8132819" | "8177463" | "D661858" | "8191910" | "D663952" | "D664354" | "D668869" | "D674605" | "8448829" | "8454033" | "8459495" | "8505729" | "8567796" | "8602217" | "8640913" | "8677661" | "D701696" | "8689396" | "8714355" | "8813960" | "8851282" | "8875888" | "8925752" | "8979100" | "8985922" | "D738105" | "D738106" | "D738622" | "9132543" | "D753394" | "D753395" | "D753396" | "D753982" | "D765974" | "D770179" | "9506489" | "9511491" | "D777426" | "9551367" | "9566990" | "D784089" | "9616562" | "9643629" | "D790221" | "9701443" | "9725209" | "D803631" | "9850029" | "D806483" | "9872562" | "9888752" | "D814187" | "D815831" | "D816334" | "D826510" | "D828671" | "D831352" | "10106180" | "D833744" | "D836995" | "D839681" | "10222172" | "D837515" | "D845080" | "D845081" | "D857387" | "10434638" | "D871013" | "D873085" | "10583962" | "10603783" | "D880252" | "D880951" |				

		"D883752" | "D887788" | "D888422" | "D888503" | "D891193" | "D891195" | "10703534" | "D891875" | "D892565" | "10750833" | "D895375" | "D895966" | "D895967" | "D896517" | "D896518" | "10758065" | "D898320" | "10793172" | "10829269" | "10933501" | "10962218" | "10981696" | "D917977" | "11008136" | "D923935" | "11059631" | "20020000440" | "20020125072" | "20020171228" | "20030094392" | "20030094393" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040103494" | "20040195793" | "20040206656" | "20050015928" | "20050062244" | "20050104308" | "20050139745" | "20050242144" | "20060006770" | "20060027475" | "20060038367" | "20060076261" | "20060119060" | "20060186624" | "20060254946" | "20070068757" | "20070090616" | "20070145700" | "20070194543" | "20080060953" | "20080104921" | "20080115312" | "20080121547" | "20080134607" | "20080169739" | "20080271280" | "20080277221" | "20080296443" | "20080308369" | "20090026901" | "20090071990" |					

		"20090127146" |					
		"20090145790" |					
		"20090145866" |					
		"20090145913" |					
		"20090178946" |					
		"20090236482" |					
		"20100052276" |					
		"20100139566" |					
		"20100147642" |					
		"20100176261" |					
		"20100219193" |					
		"20100224528" |					
		"20110073516" |					
		"20110139665" |					
		"20110139777" |					
		"20110155613" |					
		"20110174939" |					
		"20110181008" |					
		"20110220531" |					
		"20120074022" |					
		"20120074158" |					
		"20120152944" |					
		"20120160886" |					
		"20120180250" |					
		"20120207571" |					
		"20120292213" |					
		"20120326406" |					
		"20130024468" |					
		"20130031731" |					
		"20130031732" |					
		"20130068903" |					
		"20130121783" |					
		"20130127129" |					
		"20130146551" |					
		"20130154218" |					
		"20130223971" |					
		"20140069832" |					
		"20140076759" |					
		"20140123478" |					
		"20140161518" |					
		"20140166516" |					
		"20150014949" |					
		"20150034515" |					
		"20150151427" |					
		"20150274362" |					
		"20150310842" |					
		"20150376917" |					
		"20160023349" |					
		"20160130034" |					
		"20160144500" |					
		"20160168880" |					
		"20160221177" |					
		"20170121056" |					
		"20170138382" |					
		"20170165828" |					
		"20170166352" |					
		"20170174392" |					
		"20170217464" |					

		"20170239808" | "20170257958" | "20170266804" | "20170318927" | "20170349013" | "20180044059" | "20180099405" | "20180127007" | "20180153312" | "20180161975" | "20180186513" | "20180213934" | "20180220758" | "20180229889" | "20180290288" | "20190001482" | "20190002004" | "20190031222" | "20190039781" | "20190106244" | "20190168376" | "20190225371" | "20200029543" | "20200055534" | "20200147781" | "20200165036" | "20200243925" | "20200299027" | "20200346819" | "20210025706" | "20210031975" | "20210039831" | "20210155373" | "20210187725" | "20210267368").pn. OR ("11192690").urpn. AND (PGPB | USPT | USOC).dbnm.					
L28	17	("2155128" | "3266656" | "4278196" | "4621879" | "5000301" | "6682256" | "8245467" | "20050000836" | "20060201833" | "20110036735").pn. OR ("9089964").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 05:02 PM
L29	254	("2042387" | "2430200" | "2970358" | "3117692" | "3225865" | "3506321" | "D232798" | "3974898" | "4168076" | "4971201" | "5035445" | "D319016" | "5098235" | "D325324" | "5105947" | "D326815" | "5240264" | "D340167"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 05:05 PM

		| "5301829" | "D352208" | "5429260" | "D361511" | "5538213" | "5595228" | "5608603" | "5628443" | "D395533" | "5797617" | "5951037" | "D415393" | "5988473" | "D420860" | "6050660" | "6085925" | "6109627" | "6176559" | "D437669" | "6305498" | "6347847" | "6367631" | "6371320" | "D456972" | "6431580" | "6547347" | "6601930" | "6619772" | "6637707" | "6641013" | "6945546" | "6948691" | "6983946" | "7044484" | "7066475" | "D525789" | "D527225" | "7147243" | "D536580" | "7263742" | "7367571" | "7503569" | "7658887" | "7779764" | "7780026" | "7841144" | "D630851" | "8028845" | "D649350" | "D653832" | "8132819" | "8177463" | "D661858" | "8191910" | "D663952" | "D664354" | "D668869" | "D674605" | "8454033" | "8459495" | "8505729" | "8567796" | "8677661" | "D701696" | "8689396" | "8714355" | "8813960" | "8875888" | "8979100" | "8985922" | "D738105" | "D738106" | "9132543" | "D753394" | "D753395" | "D753396" | "D765974" | "D770179" | "9506489" | "9511491" | "D777426" | "9566990" | "D784089" | "9616562" | "9643629" | "D790221" | "9701443" | "9725209" | "D803631" | "D806483" | "9872562" | "D814187" | "D815831" | "D816334" | "D826510" | "D828671" | "D831352" | "10106180" | "D833744" | "D836995" | "D839681" | "D837515" | "D845080" | "D845081" | "D857387" | "10434638" | "D871013" | "D873085"					

		| "10583962" | "D880252" | "D880951" | "D883752" | "D887788" | "D888422" | "D888503" | "D891193" | "D891195" | "D891875" | "D892565" | "D895375" | "D895966" | "D895967" | "D896517" | "D896518" | "20020000440" | "20020125072" | "20020171228" | "20030094393" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040103494" | "20040195793" | "20040206656" | "20050062244" | "20050104308" | "20050139745" | "20060006770" | "20060027475" | "20060038367" | "20060119060" | "20060186624" | "20060254946" | "20070012694" | "20070068757" | "20070090616" | "20070145700" | "20070194543" | "20080104921" | "20080115312" | "20080121547" | "20080134607" | "20080169739" | "20080271280" | "20080277221" | "20080308369" | "20090026901" | "20090071990" | "20090145790" | "20090145866" | "20090145913" | "20090178946" | "20090236482" | "20100052276" | "20100139566" | "20100147642" | "20100219193" | "20100290877" | "20110073516" | "20110139665" |					

		"20110155613" | "20110174939" | "20110181008" | "20110220531" | "20120160886" | "20120180250" | "20120207571" | "20120292213" | "20120326406" | "20130024468" | "20130031731" | "20130031732" | "20130068903" | "20130121783" | "20130127129" | "20130146551" | "20130154218" | "20130223971" | "20140076759" | "20140161518" | "20140166516" | "20150034515" | "20150274362" | "20150376917" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20160221177" | "20170121056" | "20170138382" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20170349013" | "20180044059" | "20180099405" | "20180153312" | "20180161975" | "20180186513" | "20180220758" | "20180290288" | "20190002004" | "20190031222" | "20190039781" | "20190106244" | "20190225371" | "20200055534" | "20200147781" | "20200165036" | "20200243925" | "20200299027").pn. OR ("11426859").urpn.					

		AND (PGPB | USPT | USOC).dbnm.					
L30	0	"11731807".pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 05:15 PM
L31	72	brunner.inv. AND bumper	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 05:48 PM
L32	9	brunner.inv. AND milwaukee.as. AND bumper	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 05:49 PM
L33	36	brunner.inv. AND milwaukee.as.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:02 PM
L34	0	("2023/0090819").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:05 PM
L35	29	L25 AND madsen	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:09 PM
L36	2	L25 AND madsen.inv.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:09 PM
L37	10	("2016/0213115").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:28 PM
L38	115	("4643494" | "4671943" | "D292634" | "4820499" | "5101969" | "D340353" | "5379887" | "D355764" | "D356211" | "D356679" | "D360757" | "D361663" | "5445273" | "5495945" | "5890613" | "D416682" | "5979654" | "6082539" | "D439408" | "D446015" | "D448567" | "D452613" | "D462522" | "D470658" | "D478421" | "D483946" | "D487634" | "6874634" | "6880869" | "6889838" | "7000287" | "D520237" | "D520734" | "D524651" | "D539541" | "D542529" | "D557011" | "D572479" | "D595958" | "D598684" | "7573385" | "D600015" | "D601797" | "D608094" | "D616200" | "D620255" | "D630435" | "8061492" | "8186534" | "D668867" | "D688869" | "8522967" | "8590704" | "8677661" | "D704442" | "D719352" | "D738106" | "9131770" | "D750890" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:28 PM

		"D757435" | "D759975" | "D785938" | "D790221" | "D792708" | "D798053" | "D801685" | "D808653" | "D811084" | "RE47022" | "D833743" | "D841981" | "D841982" | "D841983" | "10405626" | "D872471" | "D873004" | "D882952" | "10703534" | "10710770" | "20030094392" | "20030102970" | "20060049640" | "20060170558" | "20080067091" | "20080251396" | "20090236255" | "20110121695" | "20110139666" | "20110147256" | "20110186397" | "20110233096" | "20140062281" | "20140262885" | "20160008972" | "20160144500" | "20160213115" | "20170318927" | "20180220758" | "20190291922" | "20190308772" | "20190315515").pn. OR ("10829269").urpn. AND (PGPB | USPT | USOC).dbnm.					
L39	15	("2011/0139777").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:41 PM
L40	43	("1385484" | "2888970" | "3201035" | "4616752" | "6202847" | "6648390" | "6874634" | "7137522").pn. OR ("7690856").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:43 PM
L41	59	("0263561" | "4619363" | "4643494" | "4863222" | "5570784" | "5617953" | "5803254" | "5887715" | "5890613" | "5934466" | "6082539" | "6271320" | "6349827" | "6543613"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 06:45 PM

		| "6868967" | "6889838" | "D528793" | "7219969" | "7237673" | "7322470" | "D563102" | "D563670" | "D563671" | "7690856" | "D645663" | "D648531" | "8322354" | "8459495" | "8505729" | "8561679" | "8590704" | "8602217" | "8714355" | "8875888" | "8979100" | "9469024" | "D781584" | "9725209" | "RE47022" | "20020179473" | "20030094392" | "20040188322" | "20110155613" | "20120152944" | "20150353231" | "20160075010" | "20160194115").pn. OR ("10603783").urpn. AND (PGPB | USPT | USOC).dbnm.					
L42	1	("2022/0097926").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 07:02 PM
L43	0	("2017/0143090").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 07:20 PM
L44	13	("20050067245"|"20060213029"|"20060225981"|"5806143"|"6357080"|"6378674"|"6609271"|"6827186"|"7143912"|"7207085"|"7506736"|"7549520"|"9161600").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 07:20 PM
L45	26	L25 AND toggle	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 09:48 PM
L46	589	(tool ADJ box) AND toggle	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 09:52 PM
L47	179	L25 AND latch	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/08 09:53 PM
L48	61	((US-11253037-B2 OR US-11124347-B2 OR US-9089964-B2 OR US-D932186-S OR US-11066089-B2 OR US-11059631-B1 OR US-D923935-S OR US-7503569-B2 OR US-6666362-B1 OR US-5356105-A OR US-5356038-A OR US-5325966-A OR US-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK,	OR	ON	ON	2023/08/08 10:01 PM

		4929973-A OR US-11192690-B1 OR US-D967693-S OR US-11464335-B2 OR US-11426859-B2 OR US-D826510-S OR US-D936030-S OR US-10829269-B2 OR US-9511491-B2 OR US-D765974-S OR US-D738106-S OR US-8640913-B2 OR US-7690856-B2 OR US-11338959-B2 OR US-10603783-B2) did. AND USPT,dbnm.) OR ((US-20230036215-A1 OR US-20220402113-A1 OR US-20210267368-A1 OR US-20210154824-A1 OR US-20210104914-A1 OR US-20200165036-A1 OR US-20200147781-A1 OR US-20200078929-A1 OR US-20110139665-A1 OR US-20070138041-A1 OR US-20180220758-A1 OR US-20230090819-A1 OR US-20070012694-A1 OR US-20210104909-A1 OR US-20210031975-A1 OR US-20200346819-A1 OR US-20190039781-A1 OR US-20180161975-A1 OR US-20170318927-A1 OR US-20160213115-A1 OR US-20140069832-A1 OR US-20110139777-A1 OR US-20230136626-A1 OR US-20230027343-A1 OR US-20220097926-A1 OR US-20180044059-A1 OR US-20170143090-A1 OR US-20170121056-A1 OR US-20170120679-A1 OR US-20160023349-A1 OR US-20150352711-A1 OR US-20130134003-A1	TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				

		OR US-20090301913-A1).did. AND PGPB.dbnm.) OR ((US-3201035-A).did. AND USOC.dbnm.)					
L49	61	((US-11253037-B2 OR US-11124347-B2 OR US-9089964-B2 OR US-D932186-S OR US-11066089-B2 OR US-11059631-B1 OR US-D923935-S OR US-7503569-B2 OR US-6666362-B1 OR US-5356105-A OR US-5356038-A OR US-5325966-A OR US-4929973-A OR US-11192690-B1 OR US-D967693-S OR US-11464335-B2 OR US-11426859-B2 OR US-D826510-S OR US-D936030-S OR US-10829269-B2 OR US-9511491-B2 OR US-D765974-S OR US-D738106-S OR US-8640913-B2 OR US-7690856-B2 OR US-11338959-B2 OR US-10603783-B2).did. AND USPT.dbnm.) OR ((US-20230036215-A1 OR US-20220402113-A1 OR US-20210267368-A1 OR US-20210154824-A1 OR US-20210104914-A1 OR US-20200165036-A1 OR US-20200147781-A1 OR US-20200078929-A1 OR US-20110139665-A1 OR US-20070138041-A1 OR US-20180220758-A1 OR US-20230090819-A1 OR US-20070012694-A1 OR US-20210104909-A1 OR US-20210031975-A1 OR US-20200346819-A1 OR US-20190039781-A1 OR US-20180161975-A1 OR US-20170318927-A1 OR	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/08/08 10:01 PM

		US-20160213115-A1 OR US-20140069832-A1 OR US-20110139777-A1 OR US-20230136626-A1 OR US-20230027343-A1 OR US-20220097926-A1 OR US-20180044059-A1 OR US-20170143090-A1 OR US-20170121056-A1 OR US-20170120679-A1 OR US-20160023349-A1 OR US-20150352711-A1 OR US-20130134003-A1 OR US-20090301913-A1).did. AND PGPB.dbnm.) OR ((US-3201035-A).did. AND USOC.dbnm.)					
L50	61	((US-11253037-B2 OR US-11124347-B2 OR US-9089964-B2 OR US-D932186-S OR US-11066089-B2 OR US-11059631-B1 OR US-D923935-S OR US-7503569-B2 OR US-6666362-B1 OR US-5356105-A OR US-5356038-A OR US-5325966-A OR US-4929973-A OR US-11192690-B1 OR US-D967693-S OR US-11464335-B2 OR US-11426859-B2 OR US-D826510-S OR US-D936030-S OR US-10829269-B2 OR US-9511491-B2 OR US-D765974-S OR US-D738106-S OR US-8640913-B2 OR US-7690856-B2 OR US-11338959-B2 OR US-10603783-B2).did. AND USPT.dbnm.) OR ((US-20230036215-A1 OR US-20220402113-A1 OR US-20210267368-A1 OR US-20210154824-A1 OR US-20210104914-A1 OR US-20200165036-A1 OR US-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/08/09 12:30 PM

		20200147781-A1 OR US-20200078929-A1 OR US-20110139665-A1 OR US-20070138041-A1 OR US-20180220758-A1 OR US-20230090819-A1 OR US-20070012694-A1 OR US-20210104909-A1 OR US-20210031975-A1 OR US-20200346819-A1 OR US-20190039781-A1 OR US-20180161975-A1 OR US-20170318927-A1 OR US-20160213115-A1 OR US-20140069832-A1 OR US-20110139777-A1 OR US-20230136626-A1 OR US-20230027343-A1 OR US-20220097926-A1 OR US-20180044059-A1 OR US-20170143090-A1 OR US-20170121056-A1 OR US-20170120679-A1 OR US-20160023349-A1 OR US-20150352711-A1 OR US-20130134003-A1 OR US-20090301913-A1).did. AND PGPB.dbnm.) OR ((US-3201035-A).did. AND USOC.dbnm.)					
L51	11	L50 NOT L25	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/08/09 12:30 PM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

Bibliographic Data

Application No: 18/330,972

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) ____ (Initials)

Title: Utility Assembly and Coupling Mechanism

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
06/07/2023	220	3736	066749-3925
RULE			

APPLICANTS

Milwaukee Electric Tool Corporation, Brookfield, WI, UNITED STATES

Keter Plastic LTD., Herzelyia, ISRAEL

INVENTORS

Yaron Brunner,

Grant T. Squiers, Cudahy, WI, UNITED STATES

Christopher S. Hoppe, Midvale, UT, UNITED STATES

Steven W. Hyma, Milwaukee, WI, UNITED STATES

CONTINUING DATA

This application is a CON of 18051749 11/01/2022 PAT 11731807

18051749 is a CON of 17884230 08/09/2022

17884230 is a CON of 17064371 10/06/2020 PAT 11427382

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

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

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

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

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

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

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

06/28/2023

STATE OR COUNTRY

ADDRESS

Reinhart (Milwaukee Tool)

ATTN: TRAVIS MCDONNELL, PARALEGAL
1000 NORTH WATER STREET
SUITE 2100
MILWAUKEE, WI 53202
UNITED STATES

FILING FEE RECEIVED

$6,160

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.
18/330,972	06/07/2023	Yaron Brunner	066749-3925	6782

142078 7590 07/24/2023

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

EXAMINER
CENTRAL, DOCKET

ART UNIT	PAPER NUMBER
OPAP	

NOTIFICATION DATE	DELIVERY MODE
07/24/2023	ELECTRONIC

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

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

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

IPAdmin@reinhartlaw.com

Decision Granting Request for Prioritized Examination (Track I)	**Application No.** 18/330,972	**Applicant(s)** Brunner et al.	
	Examiner FIKIRTE A GEREMEW	**Art Unit** OMBL	**AIA (FITF) Status** Yes

1. THE REQUEST FILED 07 June 2023 IS **GRANTED** .

   The above-identified application has met the requirements for prioritized examination
   - A. ☑ for an original nonprovisional application (Track I).
   - B. ☐ for an application undergoing continued examination (RCE).

2. **The above-identified application will undergo prioritized examination**. The application will be accorded special status throughout its entire course of prosecution until one of the following occurs:
   - A. filing a **petition for extension of time** to extend the time period for filing a reply;
   - B. filing an **amendment to amend the application to contain more than four independent claims, more than thirty total claims** , or a multiple dependent claim;
   - C. filing a **request for continued examination** ;
   - D. filing a notice of appeal;
   - E. filing a request for suspension of action;
   - F. mailing of a notice of allowance;
   - G. mailing of a final Office action;
   - H. completion of examination as defined in 37 CFR 41.102; or
   - I. abandonment of the application.

Telephone inquiries with regard to this decision should be directed to FIKIRTE GEREMEW at (703) 756-1930. In his/her absence, calls may be directed to Petition Help Desk at (571) 272-3282.

/FIKIRTE A GEREMEW/ PROGRAM SUPPORT ASSISTANT, OMBL	

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
18/330,972	06/07/2023	OPAP	1820	066749-3925	15	1

CONFIRMATION NO. 6782

CORRECTED FILING RECEIPT

142078
Reinhart (Milwaukee Tool)
ATTN: TRAVIS MCDONNELL, PARALEGAL
1000 NORTH WATER STREET
SUITE 2100
MILWAUKEE, WI 53202

Date Mailed: 07/17/2023

Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

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

Inventor(s)

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

Applicant(s)

Milwaukee Electric Tool Corporation, Brookfield, WI;
Keter Plastic LTD., Herzelyia, ISRAEL;

Power of Attorney: The patent practitioners associated with Customer Number 142078

Domestic Priority data as claimed by applicant

This application is a CON of 18/051,749 11/01/2022
which is a CON of 17/884,230 08/09/2022
which is a CON of 17/064,371 10/06/2020 PAT 11,427,382
which is a CON of 16/752,441 01/24/2020 PAT 11,008,136
which is a CON of 16/216,724 12/11/2018 PAT 10,583,962
which is a CON of 15/826,232 11/29/2017 PAT 10,703,534
which is a CON of PCT/IL2017/050481 04/30/2017
which claims benefit of 62/459,076 02/15/2017
and claims benefit of 62/330,334 05/02/2016

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

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

If Required, Foreign Filing License Granted: 06/28/2023

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 18/330,972**

Projected Publication Date: 10/05/2023

Non-Publication Request: No

Early Publication Request: No

Title

Utility Assembly and Coupling Mechanism

Preliminary Class

220

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign

patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

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

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

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

NOT GRANTED

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

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit http://www.SelectUSA.gov or call +1-202-482-6800.

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
18/330,972	06/07/2023	Yaron Brunner	066749-3925

CONFIRMATION NO. 6782

142078
Reinhart (Milwaukee Tool)
ATTN: TRAVIS MCDONNELL, PARALEGAL
1000 NORTH WATER STREET
SUITE 2100
MILWAUKEE, WI 53202

POA ACCEPTANCE LETTER

OC000000059356683

Date Mailed: 07/17/2023

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 07/12/2023.

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

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

/sstephanos/

UNITED STATES
PATENT AND TRADEMARK OFFICE

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

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/330,972	**07/13/2023 12:15:59 PM ET**	**066749-3925**

Title of Invention

Utility Assembly and Coupling Mechanism

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6782	FILED BY	Sarah Sesterhenn-Lee
PATENT CENTER #	62433904	FILING DATE	06/07/2023
CUSTOMER #	142078	FIRST NAMED INVENTOR	Yaron Brunner
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Derek Campbell

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
066749-3925-IDS_Transmittal.pdf	2	Transmittal Letter	107 KB
066749-3925-SB08.pdf	1	Information Disclosure Statement (IDS) Form (SB08)	150 KB

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

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)

066749-3925-IDS_Transmittal.pdf	EA0683D605A41DD3BA440248739EF3BFADA04A0287CDC8A8C6F1515ABA68261068F86A2A7A4AAA356C019EADB16DF6553DF274C8DBE59E0890349CB57FE8129C
066749-3925-SB08.pdf	0561B5ACB5E7DD3F202B0BDEA11E35EE4539F63AA01C9D2826F2C6AA57B627721C7C0B4680DCA1129B010B602A806A70F8A16F8EFA3EF0B5E4BEFF30D0BFCD3E

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

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

Substitute for form 1449/PTO				***Complete if Known***	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	18/330,972
Date Submitted: July 13, 2023				**Filing Date**	June 7, 2023
				First Named Inventor	Yaron Brunner
(use as many sheets as necessary)				Art Unit	To be determined
				Examiner Name	To be determined
Sheet	1	of	1	Attorney Docket Number	066749-3925

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	9,089,964	07-28-2015	Cheng	
	A2	11,124,347	09-21-2021	Chen	
	A3	11,253,037	02-22-2022	Bomer	
	A4	11,612,998	03-28-2023	Byington	

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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation et al.
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	18/330,972
Filing Date:	June 7, 2023
Examiner:	To Be Determined
Art Unit:	To Be Determined
Confirmation Number:	6782

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.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b)(1), within three (3) months of the filing date of the application.

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 July 13, 2023

By /Derek H. Campbell/

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

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

PTO/AIA/96 (08-12)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: Keter Plastic LTD.

Application No./Patent No.: 18/330,972 Filed/Issue Date: June 7, 2023

Titled: Utility Assembly and Coupling Mechanism

Keter Plastic LTD., a corporation

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

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

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

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

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

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

   Milwaukee Electric Tool Corporation

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

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

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

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

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

A. ☑ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 063935, Frame 0770, or for which a copy thereof is attached.

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

   1. From: _____ To: _____

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

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

   2. From: _____ To: _____

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

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

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

PTO/AIA/96 (08-12)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(c)

3. From: _____ To: _____

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

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

4. From: _____ To: _____

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

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

5. From: _____ To: _____

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

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

6. From: _____ To: _____

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

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

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

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

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

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

/Derek H. Campbell/	July 12, 2023
Signature	Date
Derek H. Campbell	70,608
Printed or Typed Name	Title or Registration 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.

Application Data Sheet

Application Information

Application Number:	To Be Determined
Application Type:	Nonprovisional
Subject Matter:	Utility
CD-ROM or CD-R:	None
Computer Readable Form (CRF):	No
Title:	Utility Assembly and Coupling Mechanism
Attorney Docket Number:	066749-3925
Request for Early Publication:	No
Request for Non-Publication:	No
Suggested Drawing Figure:	1A
Total Drawing Sheets:	48
Small Entity:	No
Petition included:	No
Secrecy Order in Parent Appl.:	No

Inventor Information

Status:	Full Capacity
Given Name:	Yaron
Family Name:	Brunner
City of Residence:	Kibbutz Gvat
State or Province of Residence:	
Country of Residence:	IL
Street of mailing address:	Kibbutz Gvat, P.O.B. 248
City of mailing address:	Kibbutz Gvat
State or Province of mailing address:	
Country of mailing address:	IL

Postal or Zip Code of mailing address:	3657900
Status:	Full Capacity
Given Name:	Grant T.
Family Name:	Squiers
City of Residence:	Cudahy
State or Province of Residence:	Wisconsin
Country of Residence:	US
Street of mailing address:	3745 East Cudahy Avenue
City of mailing address:	Cudahy
State or Province of mailing address:	Wisconsin
Country of mailing address:	US
Postal or Zip Code of mailing address:	53110
Status:	Full Capacity
Given Name:	Christopher S.
Family Name:	Hoppe
City of Residence:	Midvale
State or Province of Residence:	Utah
Country of Residence:	US
Street of mailing address:	7491 Union Mill Court
City of mailing address:	Midvale
State or Province of mailing address:	Utah
Country of mailing address:	US
Postal or Zip Code of mailing address:	84047

Status:	Full Capacity
Given Name:	Steven W.
Family Name:	Hyma
City of Residence:	Milwaukee
State or Province of Residence:	Wisconsin
Country of Residence:	US
Street of mailing address:	1312 East Warnimont Avenue
City of mailing address:	Milwaukee
State or Province of mailing address:	Wisconsin
Country of mailing address:	US
Postal or Zip Code of mailing address:	53201

Correspondence Information

Correspondence Customer Number:	142078
E-Mail address:	ipadmin@reinhartlaw.com

Representative Information

Representative Customer Number:	142078	

Domestic Priority Information

Application:	Continuity Type:	Prior Application No.:	Parent Filing Date:	Prior Application Status:	Patent No.:

This Application	Is a continuation of	18/051,749	November 1, 2022	Pending	N/A
18/051,749	Is a continuation of	17/884,230	August 9, 2022	Pending	N/A
17/884,230	Is a continuation of	17/064,371	October 6, 2020	Patented	11,427,382
17/064,371	Is a continuation of	16/752,441	January 24, 2020	Patented	11,008,136
16/752,441	Is a continuation of	16/216,724	December 11, 2018	Patented	10,583,962
16/216,724	Is a continuation of	15/826,232	November 29, 2017	Patented	10,703,534
15/826,232	Is a continuation of	PCT/IL2017/050481	April 30, 2017	Expired	N/A
PCT/IL2017/050481	Claims the benefit under 35 U.S.C. 119(e)	62/459,076	February 15, 2017	Expired	N/A
PCT/IL2017/050481	Claims the benefit under 35 U.S.C. 119(e)	62/330,334	May 2, 2016	Expired	N/A

Foreign Priority Information

Country:	Application number:	Filing Date:	Priority Claimed:

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ **This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.**

NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

[ ] A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

[ ] B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Applicant Information

Applicant 1:

[X] Assignee	**[ ] Legal Representative under 35 U.S.C. 117**	**[ ] Person to whom the inventor is obligated to assign**	**[ ] Person who shows sufficient proprietary interest**
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:			
Name of the Deceased or Legally Incapacitated Inventor:			
If the Assignee is an Organization check here [X]			

Organization Name:	Milwaukee Electric Tool Corporation
13135 West Lisbon Road Brookfield, Wisconsin 53005	

Applicant 2:

[X] Assignee	[ ] Legal Representative under 35 U.S.C. 117	[ ] Person to whom the inventor is obligated to assign	[ ] Person who shows sufficient proprietary interest
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:			
Name of the Deceased or Legally Incapacitated Inventor:			
If the Assignee is an Organization check here [X]			

Organization Name:	Keter Plastic LTD.
2 Sapir Street Herzelyia, Israel 4685206	

Signature:	/Derek H. Campbell/		Date:	June 7, 2023
First Name:	Derek H.	Last Name:	Campbell	
Registration No.:	70,608			

ANNOTATED FILING RECEIPT

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
18/330,972	06/07/2023		1820	066749-3925	15	1

CONFIRMATION NO. 6782

FILING RECEIPT



142078
Reinhart (Milwaukee Tool)
ATTN: TRAVIS MCDONNELL, PARALEGAL
1000 NORTH WATER STREET
SUITE 2100
MILWAUKEE, WI 53202

Date Mailed: 06/29/2023

Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

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

Inventor(s)

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

Applicant(s)

Milwaukee Electric Tool Corporation, Brookfield, WI; Keter Plastic LTD., Herzelyia, Israel;

Power of Attorney: The patent practitioners associated with Customer Number 142078

Domestic Priority data as claimed by applicant

This application is a CON of 18/051,749 11/01/2022
which is a CON of 17/884,230 08/09/2022
which is a CON of 17/064,371 10/06/2020 PAT 11,427,382
which is a CON of 16/752,441 01/24/2020 PAT 11,008,136
which is a CON of 16/216,724 12/11/2018 PAT 10,583,962
which is a CON of 15/826,232 11/29/2017 PAT 10,703,534
which is a CON of PCT/IL2017/050481 04/30/2017
which claims benefit of 62/330,334 05/02/2016 and claims benefit of 62/459,076 02/15/2017

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

ANNOTATED FILING RECEIPT

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

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

If Required, Foreign Filing License Granted: 06/28/2023

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 18/330,972**

Projected Publication Date: 10/05/2023

Non-Publication Request: No

Early Publication Request: No

Title

Utility Assembly and Coupling Mechanism

Preliminary Class

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

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

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

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

NOT GRANTED

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

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor

community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit http://www.SelectUSA.gov or call +1-202-482-6800.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation et al.
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	18/330,972
Filing Date:	June 7, 2023
Examiner:	To be determined
Art Unit:	To be determined
Confirmation No:	6782

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

REQUEST FOR CORRECTED FILING RECEIPT

Two errors have been noted on the Corrected Filing Receipt dated June 29, 2023, with respect to the domestic priority data. One of the U.S. Provisional applications was omitted from the Domestic Priority Data section on the filing receipt. The Domestic Priority Data section should read as follows:

This application is a CON of 18/051,749 11/01/2022
which is a CON of 17/884,230 08-09/2022
which is a CON of 17/064,371 10/06/2020 PAT 11,427,382
which is a CON of 16/752,441 01/24/2020 PAT 11,008,136
which is a CON of 16/216,724 12/11/2018 PAT 10,583,962
which is a CON of 15/826,232 11/29/2017 PAT 10,703,534
which is a CON of PCT/IL2017/050481 04/30/2017

which claims benefit of 62/330,334 05/02/2016
and claims benefit of 62/459,076 02/15/2017

Second, Applicant 2's name was omitted from the filing receipt. The list of Applicants should read as follows:

Milwaukee Electric Tool Corporation, Brookfield, WI;
Keter Plastic LTD., Herzelyia, Israel;

Submitted herewith is a copy of the Application Data Sheet (ADS) as originally filed, which includes the correct domestic priority data and the correct list of applicants.

Also accompanying this Request is an annotated Filing Receipt showing the requested corrections.

REMARKS

A Corrected Filing Receipt showing the correct priority data and the correct applicants is respectfully requested.

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 July 12, 2023

By /Derek H. Campbell/

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

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

PTO/AIA/80 (07-17)
Approved for use through 03/31/2021. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(c).

I hereby appoint:

[X] Practitioners associated with Customer Number: 142078

OR

[ ] Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

As attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(c).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(c) to:

[X] The address associated with Customer Number: 142078

OR

[ ]

Firm or individual name		
Address		
City	State	Zip
Country		
Telephone	Email	

Assignee name and address: Milwaukee Electric Tool Corporation
13135 West Lisbon Road
Brookfield, Wisconsin 53005

A copy of this form, together with a statement under 37 CFR 3.73(c) (Form PTO/AIA/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(c) may be completed by one of the practitioners appointed in this form, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee.

Signature Christine Delisle	Date 4/1/2023
Name Christine Delisle	Telephone
Title CFO, Vice President	

This collection of information is required by 37 CFR 1.31, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public, which is to update (and by the USPTO to process) the file of a patent or reexamination proceeding. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 18 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

UNITED STATES
PATENT AND TRADEMARK OFFICE

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

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/330,972	**07/12/2023 01:37:22 PM ET**	**066749-3925**

Title of Invention

Utility Assembly and Coupling Mechanism

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6782	FILED BY	Sarah Sesterhenn-Lee
PATENT CENTER #	62425715	FILING DATE	06/07/2023
CUSTOMER #	142078	FIRST NAMED INVENTOR	Yaron Brunner
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Derek Campbell

Documents

TOTAL DOCUMENTS: 8

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
066749-3925_Request_for_Corrected_Filing_Receipt.pdf	2	Request for Corrected Filing Receipt	91 KB
066749-3925_Annotated_Filing_Receipt.pdf	4	Miscellaneous Incoming Letter	683 KB
066749-3925-Application_Data_Sheet.pdf	7	Application Data Sheet	101 KB

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

066749-3925_Transmittal_for_POAs_and_3_73_Statements.pdf	2	Transmittal Letter	90 KB
066749-3925_MT_PoA.pdf	1	Power of Attorney	3231 KB
066749-3925-Keter_POA.pdf	1	Power of Attorney	331 KB
066749-3925_3_73_Statement_Keter.pdf	3	Assignee showing of ownership per 37 CFR 3.73	90 KB
066749-3925-3_73_Statement_MT.pdf	3	Assignee showing of ownership per 37 CFR 3.73	90 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
066749-3925_Request_for_Corrected_Filing_Receipt.pdf	151A8F2051E8BE9408AD9E67E2A3DEBA8036874BA6F6A102B8A1266FF3EE309DBF8D87957514DCC40E23905873E23FF000E472D8B3CAD67F0EB000CB3BB91789
066749-3925_Annotated_Filing_Receipt.pdf	165F52306277020FEDA454A2F8AE28641B12623AB978E72FD4453AB4745F23DF5B55575FEDE1EBD43989C8E7B033A2C8CC4042E2418B392871F4372F253F494D
066749-3925-Application_Data_Sheet.pdf	D9BBA5AD9CDD48360A1A5EB3C10BBAD1C62F5E156A3844292380E2D66F15EA151DBCAC64C9C907E71ABB0703D22D155D02FD98E9F5F4474AFC1C3B4601E6DCF0
066749-3925_Transmittal_for_POAs_and_3_73_Statements.pdf	D1A2366CE3EC794D3C079543AA5B5FA795717F6C6EA51952C040B65F0DD84EF7E42C67F6AD4899AB842BDD6BE2B2E790695BDD221822AD84BA640858B35A4460
066749-3925_MT_PoA.pdf	931C1DE0E8341799D1A726FBCB11B7BF4E75A29476AB0AC54D9CB6E214A01A7877CB1AD20EF08ACF30291AA3E4A4BEF8E15E0FF69B673E9588D9CA4765C7008C

066749-3925-Keter_POA.pdf	56D4376D2A87AC54B43C277201616FC26197DF78AE63B6E13 B21F8406EB6002F532F0C35B00B24BD03B4CEEC2F17BD9252 2E7AC9192CED7D64DAFB180EC02740
066749- 3925_3_73_Statement_Keter.p df	7E378E952FAC7FFF2D4772A51772B511976A5C77FD9CDDFD9 EC5ED24771B9C062F1AC32D23D355FCD9504B9A3AC773D12 914F13E8FDFA4DCF39787F51BA8DECF
066749-3925- 3_73_Statement_MT.pdf	6B181447B5E8DB81D88046B7B3CEF61E4FE6610D6C8089B98 DBEEB97B3038433FA90864F51BF8D38D08CC12AF753D85152 34086796D4D09DC0A79304A832653D

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation et al.
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	18/330,972
Filing Date:	June 7, 2023
Examiner:	To be determined
Art Unit:	To be determined
Confirmation Number:	6782

TRANSMITTAL OF POWER OF ATTORNEYS AND 3.73 STATEMENTS FOR APPLICANTS

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

Submitted herewith is a "Statement Under 37 CFR 3.73(c)" for each of (1) Milwaukee Electric Tool Corporation and (2) Keter Plastic LTD., establishing that Milwaukee Electric Tool Corporation and Keter Plastic LTD. collectively are the owner and the assignee of the entire right, title and interest in the above-referenced application. Also submitted herewith is a signed power of attorney for each of (1) Milwaukee Electric Tool Corporation and (2) Keter Plastic LTD.

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.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date July 12, 2023

By /Derek H. Campbell/

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

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

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

PTO/AIA/82B (07-13)
Approved for use through 03/31/2021. OMB 0651-0035
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

POWER OF ATTORNEY BY APPLICANT

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

Application Number	Filing Date
18/330,972	June 7, 2023

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

☑ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 142078

OR

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

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

☑ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

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

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

Keter Plastic Ltd.

☐ Inventor or Joint Inventor (title not required below)

☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)

☑ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)

☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

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

Signature	Keter Plastic Ltd.	Date (Optional)	13.6.2023
Name	1 Sapir Street Herzliya 4685705, Israel	Yuval Rafid Alon	
Title		Treasury Director Schyck CEO	

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

☑ Total of 1 forms are submitted.

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

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

PTO/AIA/96 (08-12)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: Milwaukee Electric Tool Corporation

Application No./Patent No.: 18/330,972 Filed/Issue Date: June 7, 2023

Titled: Utility Assembly and Coupling Mechanism

Milwaukee Electric Tool Corporation, a corporation

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

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

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

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

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

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

   Keter Plastic LTD.

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

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

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

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

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

A. ☑ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 063935, Frame 0809, or for which a copy thereof is attached.

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

1. From: _____ To: _____

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

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

2. From: _____ To: _____

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

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

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

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

STATEMENT UNDER 37 CFR 3.73(c)

3. From: _____ To: _____

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

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

4. From: _____ To: _____

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

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

5. From: _____ To: _____

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

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

6. From: _____ To: _____

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

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

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

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

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

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

/Derek H. Campbell/	July 12, 2023
Signature	Date
Derek H. Campbell	70,608
Printed or Typed Name	Title or Registration 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.

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 18/330,972

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	320
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	700
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	800
TOTAL CLAIMS (37 CFR 1.16(i))	15 minus 20 =	* 0			OR	x =	0
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1 minus 3 =	*				x =	0
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						0
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	1820

APPLICATION AS AMENDED - PART II

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

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

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
18/330,972	06/07/2023		1820	066749-3925	15	1

CONFIRMATION NO. 6782

FILING RECEIPT



142078
Reinhart (Milwaukee Tool)
ATTN: TRAVIS MCDONNELL, PARALEGAL
1000 NORTH WATER STREET
SUITE 2100
MILWAUKEE, WI 53202

Date Mailed: 06/29/2023

Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

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

Inventor(s)

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

Applicant(s)

Milwaukee Electric Tool Corporation, Brookfield, WI;

Power of Attorney: The patent practitioners associated with Customer Number 142078

Domestic Priority data as claimed by applicant

This application is a CON of 18/051,749 11/01/2022
which is a CON of 17/884,230 08/09/2022
which is a CON of 17/064,371 10/06/2020 PAT 11,427,382
which is a CON of 16/752,441 01/24/2020 PAT 11,008,136
which is a CON of 16/216,724 12/11/2018 PAT 10,583,962
which is a CON of 15/826,232 11/29/2017 PAT 10,703,534
which is a CON of PCT/IL2017/050481 04/30/2017
which claims benefit of 62/330,334 05/02/2016

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

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

If Required, Foreign Filing License Granted: 06/28/2023

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 18/330,972**

Projected Publication Date: 10/05/2023

Non-Publication Request: No

Early Publication Request: No

Title

Utility Assembly and Coupling Mechanism

Preliminary Class

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

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

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

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

NOT GRANTED

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

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor

community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit http://www.SelectUSA.gov or call +1-202-482-6800.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Milwaukee Electric Tool Corporation et al.

Title: Utility Assembly and Coupling Mechanism

Prior Appl. No.: 18/051,749
Prior Appl. Filing Date: November 1, 2022

Examiner: To be determined

Art Unit: To be determined

CONTINUING PATENT APPLICATION TRANSMITTAL LETTER

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

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is a:

[X] Continuation [ ] Division [ ] Continuation-In-Part (CIP)

of the above-identified copending prior application in which no patenting, abandonment, or termination of proceedings has occurred. Priority to the above-identified prior application is hereby claimed under 35 U.S.C. § 120 for this continuing application. The entire disclosure of the above-identified prior application is considered as being part of the disclosure of the accompanying continuing application and is hereby incorporated by reference therein in its entirety.

Enclosed are:

[**X**] Application Data Sheet (37 CFR 1.76)

[**X**] Cover Page, Description, Claims and Abstract

[**X**] Preliminary Amendment

[**X**] Formal drawings

[**X**] Copy of Inventor Declaration for parent Application No. 18/051,749, filed November 1, 2022

[**X**] Power of Attorney from Assignee/Applicant

[**X**] Information Disclosure Statement

[**X**] Form PTO/SB/08

The requisite fees 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.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date June 7, 2023

By /Derek H. Campbell/

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

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

Application Data Sheet

Application Information

Application Number:	To Be Determined
Application Type:	Nonprovisional
Subject Matter:	Utility
CD-ROM or CD-R:	None
Computer Readable Form (CRF):	No
Title:	Utility Assembly and Coupling Mechanism
Attorney Docket Number:	066749-3925
Request for Early Publication:	No
Request for Non-Publication:	No
Suggested Drawing Figure:	1A
Total Drawing Sheets:	48
Small Entity:	No
Petition included:	No
Secrecy Order in Parent Appl.:	No

Inventor Information

Status:	Full Capacity
Given Name:	Yaron
Family Name:	Brunner
City of Residence:	Kibbutz Gvat
State or Province of Residence:	
Country of Residence:	IL
Street of mailing address:	Kibbutz Gvat, P.O.B. 248
City of mailing address:	Kibbutz Gvat
State or Province of mailing address:	
Country of mailing address:	IL

Postal or Zip Code of mailing address:	3657900
Status:	Full Capacity
Given Name:	Grant T.
Family Name:	Squiers
City of Residence:	Cudahy
State or Province of Residence:	Wisconsin
Country of Residence:	US
Street of mailing address:	3745 East Cudahy Avenue
City of mailing address:	Cudahy
State or Province of mailing address:	Wisconsin
Country of mailing address:	US
Postal or Zip Code of mailing address:	53110
Status:	Full Capacity
Given Name:	Christopher S.
Family Name:	Hoppe
City of Residence:	Midvale
State or Province of Residence:	Utah
Country of Residence:	US
Street of mailing address:	7491 Union Mill Court
City of mailing address:	Midvale
State or Province of mailing address:	Utah
Country of mailing address:	US
Postal or Zip Code of mailing address:	84047

Status:	Full Capacity
Given Name:	Steven W.
Family Name:	Hyma
City of Residence:	Milwaukee
State or Province of Residence:	Wisconsin
Country of Residence:	US
Street of mailing address:	1312 East Warnimont Avenue
City of mailing address:	Milwaukee
State or Province of mailing address:	Wisconsin
Country of mailing address:	US
Postal or Zip Code of mailing address:	53201

Correspondence Information

Correspondence Customer Number:	142078
E-Mail address:	ipadmin@reinhartlaw.com

Representative Information

Representative Customer Number:	142078	

Domestic Priority Information

Application:	Continuity Type:	Prior Application No.:	Parent Filing Date:	Prior Application Status:	Patent No.:

This Application	Is a continuation of	18/051,749	November 1, 2022	Pending	N/A
18/051,749	Is a continuation of	17/884,230	August 9, 2022	Pending	N/A
17/884,230	Is a continuation of	17/064,371	October 6, 2020	Patented	11,427,382
17/064,371	Is a continuation of	16/752,441	January 24, 2020	Patented	11,008,136
16/752,441	Is a continuation of	16/216,724	December 11, 2018	Patented	10,583,962
16/216,724	Is a continuation of	15/826,232	November 29, 2017	Patented	10,703,534
15/826,232	Is a continuation of	PCT/IL2017/050481	April 30, 2017	Expired	N/A
PCT/IL2017/050481	Claims the benefit under 35 U.S.C. 119(e)	62/459,076	February 15, 2017	Expired	N/A
PCT/IL2017/050481	Claims the benefit under 35 U.S.C. 119(e)	62/330,334	May 2, 2016	Expired	N/A

Foreign Priority Information

Country:	Application number:	Filing Date:	Priority Claimed:

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ **This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.**

NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

[ ] A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

[ ] B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Applicant Information

Applicant 1:

[X] Assignee	**[ ] Legal Representative under 35 U.S.C. 117**	**[ ] Person to whom the inventor is obligated to assign**	**[ ] Person who shows sufficient proprietary interest**
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:			
Name of the Deceased or Legally Incapacitated Inventor:			
If the Assignee is an Organization check here [X]			

Organization Name:	Milwaukee Electric Tool Corporation
13135 West Lisbon Road Brookfield, Wisconsin 53005	

Applicant 2:

[X] Assignee	[ ] Legal Representative under 35 U.S.C. 117	[ ] Person to whom the inventor is obligated to assign	[ ] Person who shows sufficient proprietary interest
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:			
Name of the Deceased or Legally Incapacitated Inventor:			
If the Assignee is an Organization check here [X]			

Organization Name:	Keter Plastic LTD.
2 Sapir Street Herzelyia, Israel 4685206	

Signature:	/Derek H. Campbell/		Date:	June 7, 2023
First Name:	Derek H.	Last Name:	Campbell	
Registration No.:	70,608			

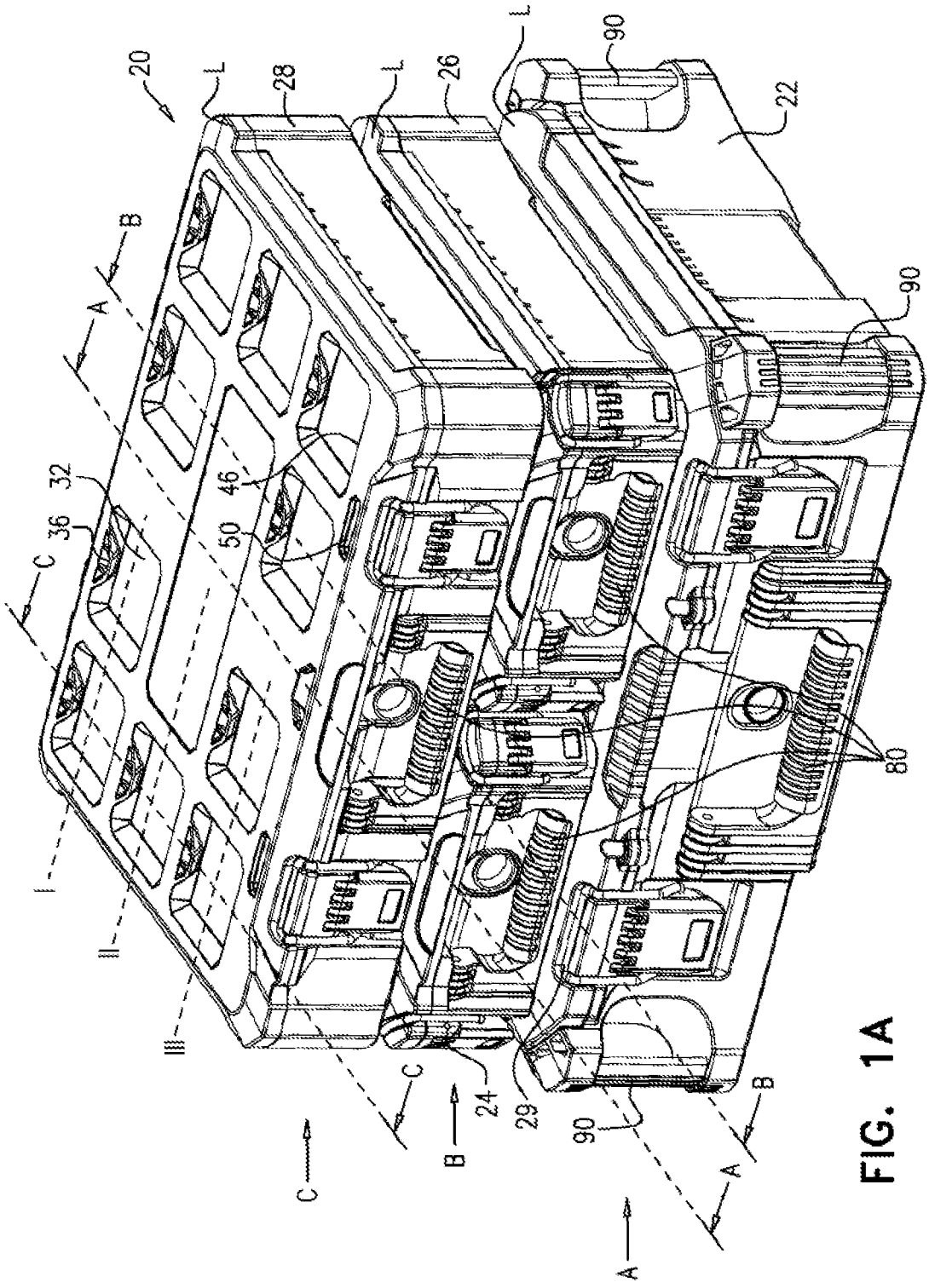


FIG. 1A

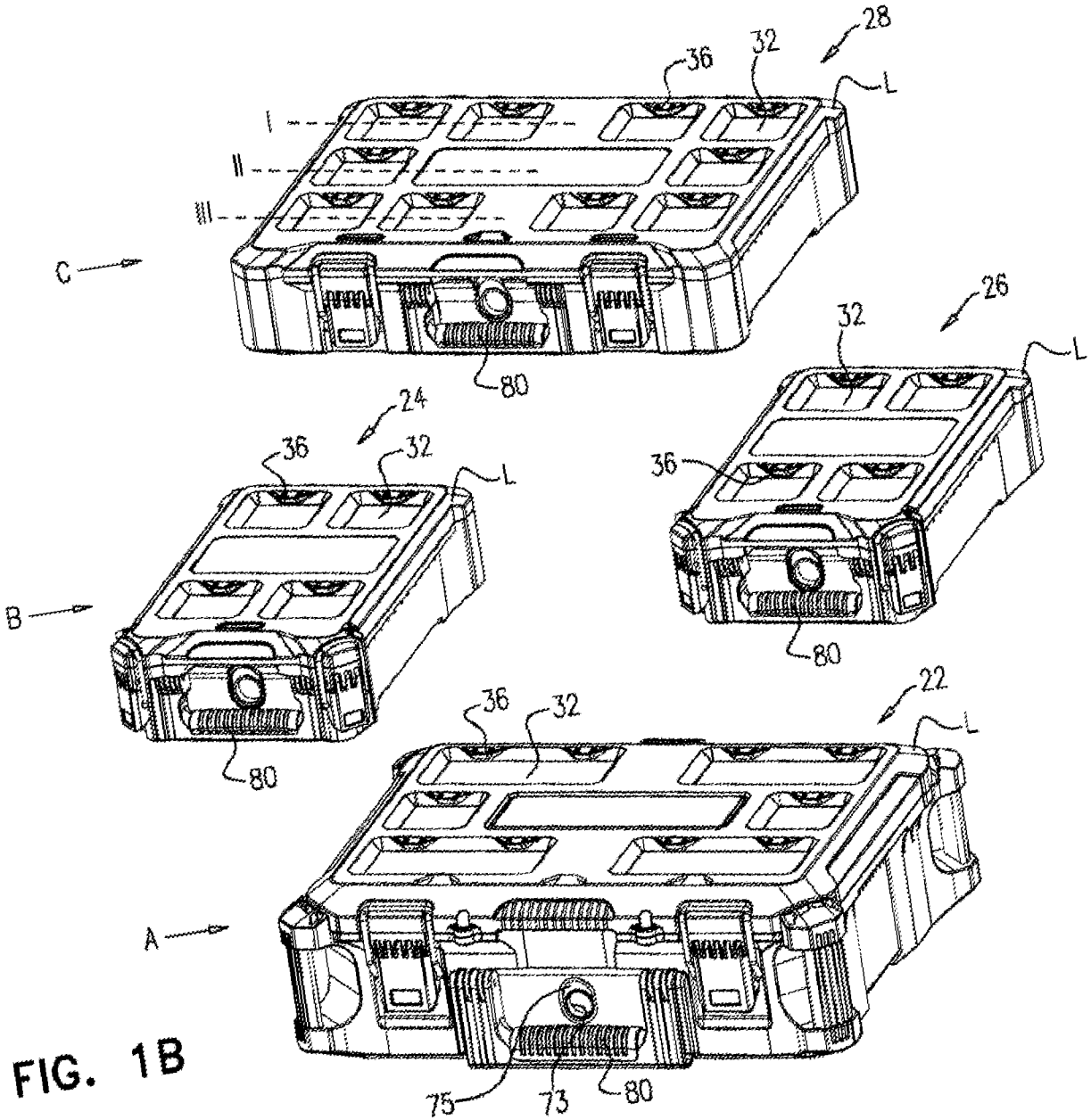


FIG. 1B

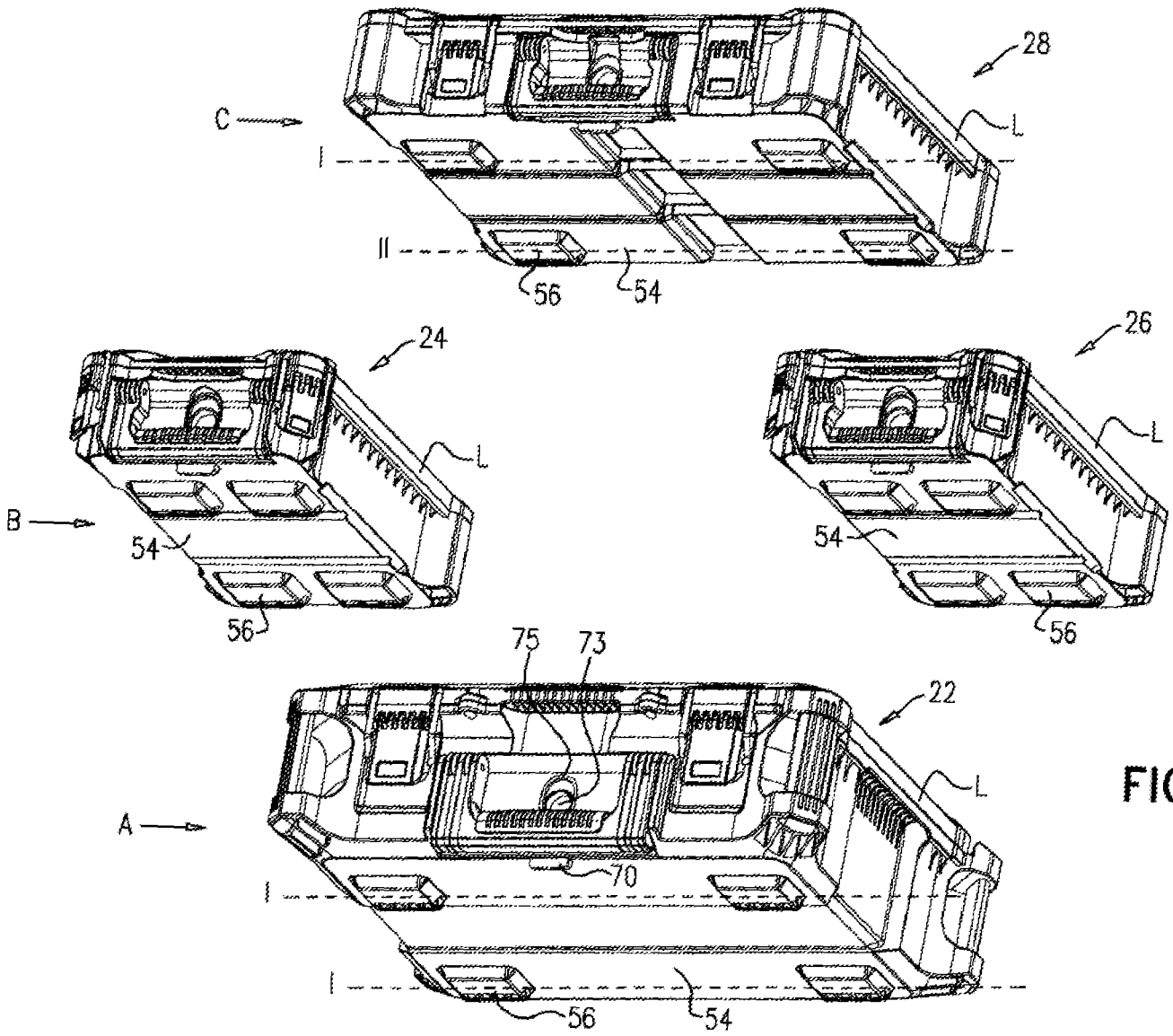


FIG. 1C

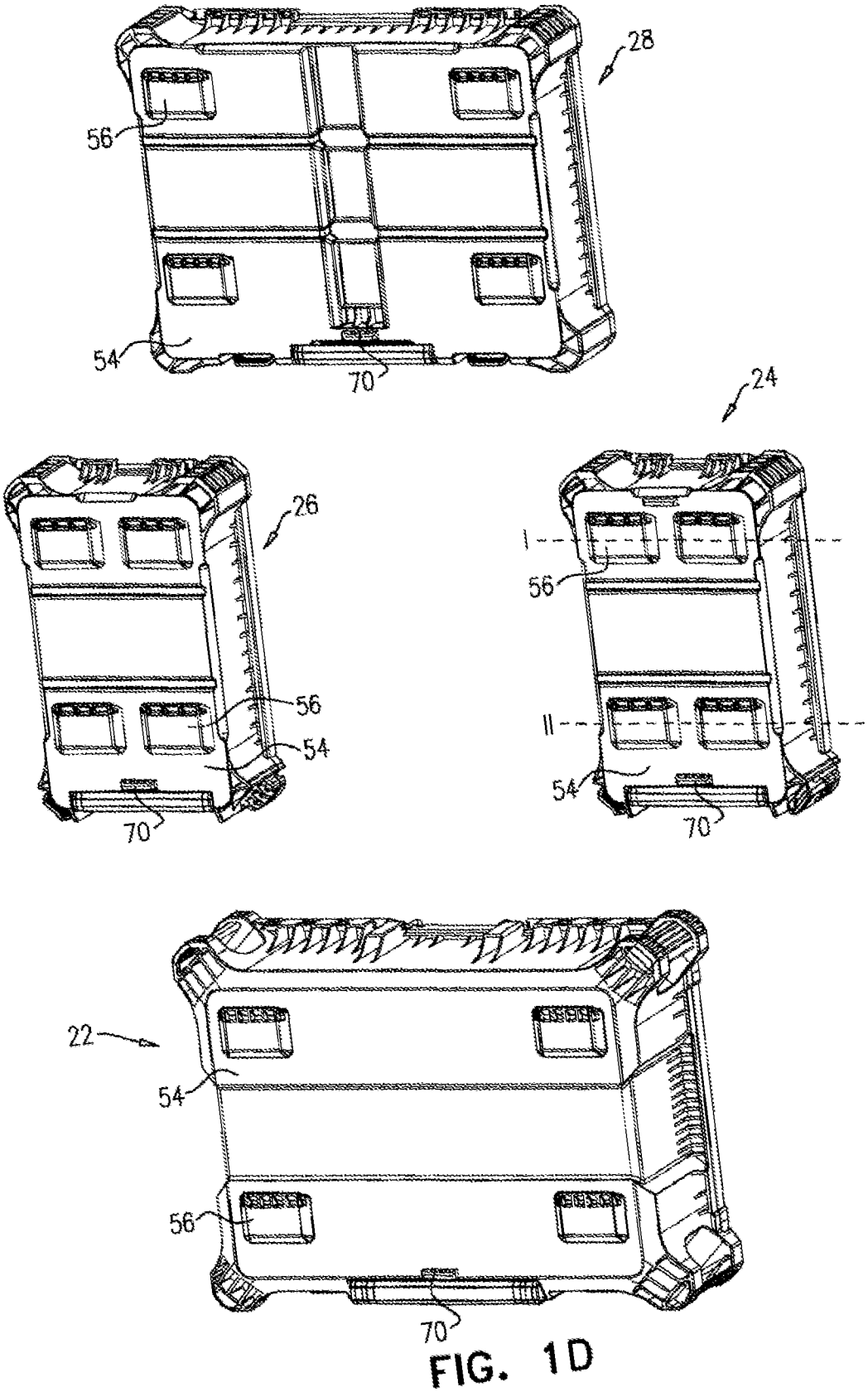


FIG. 1D

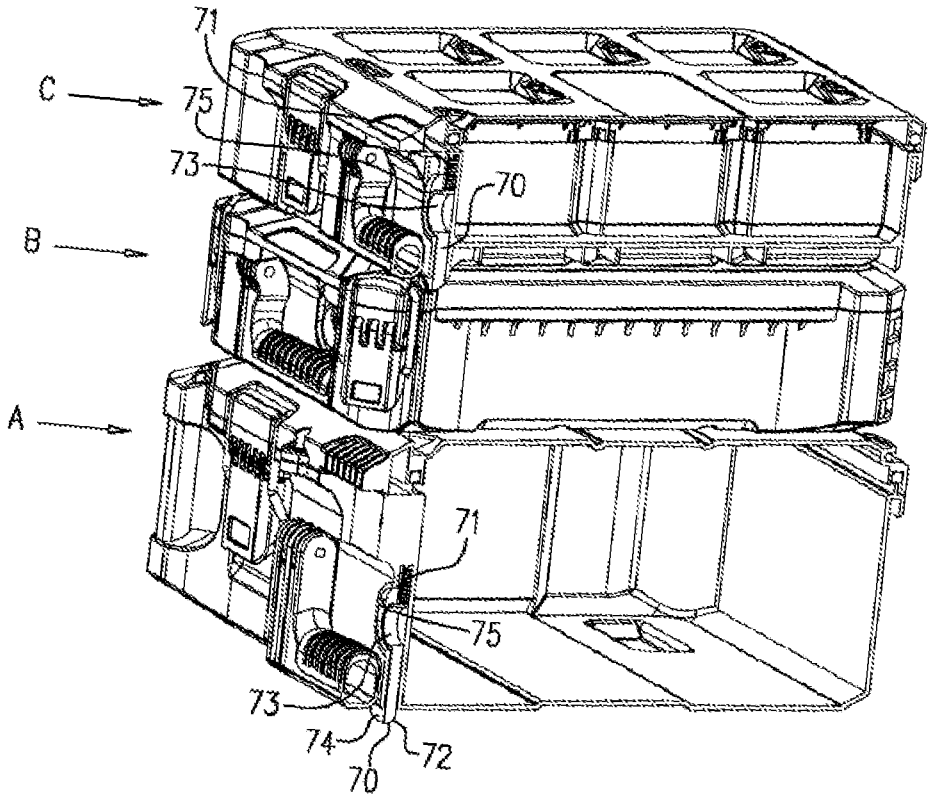


FIG. 2A

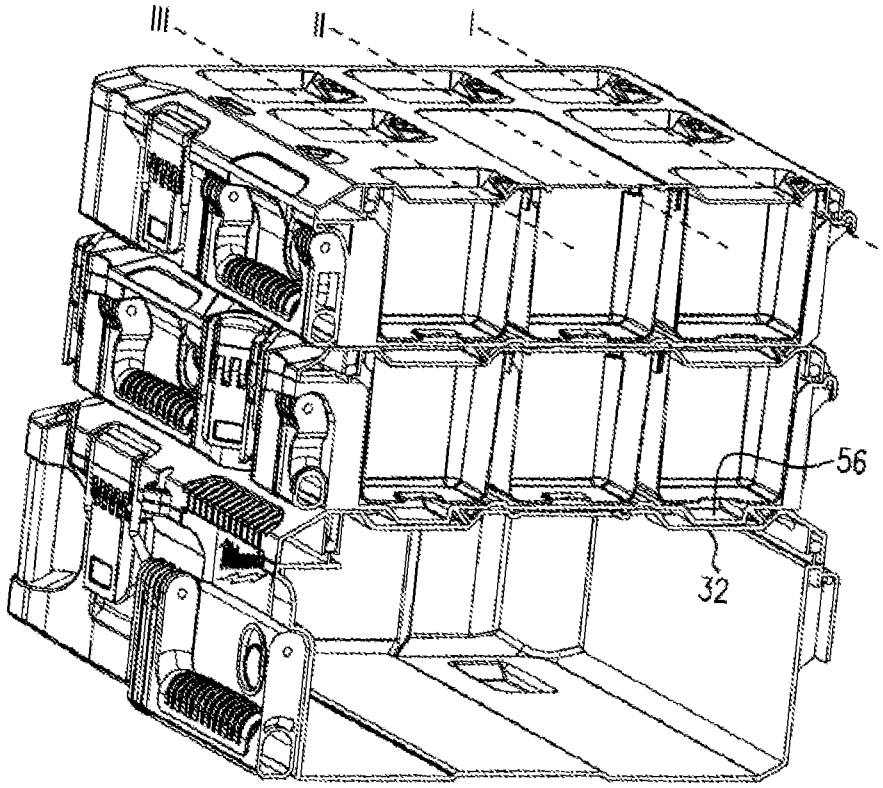


FIG. 2B

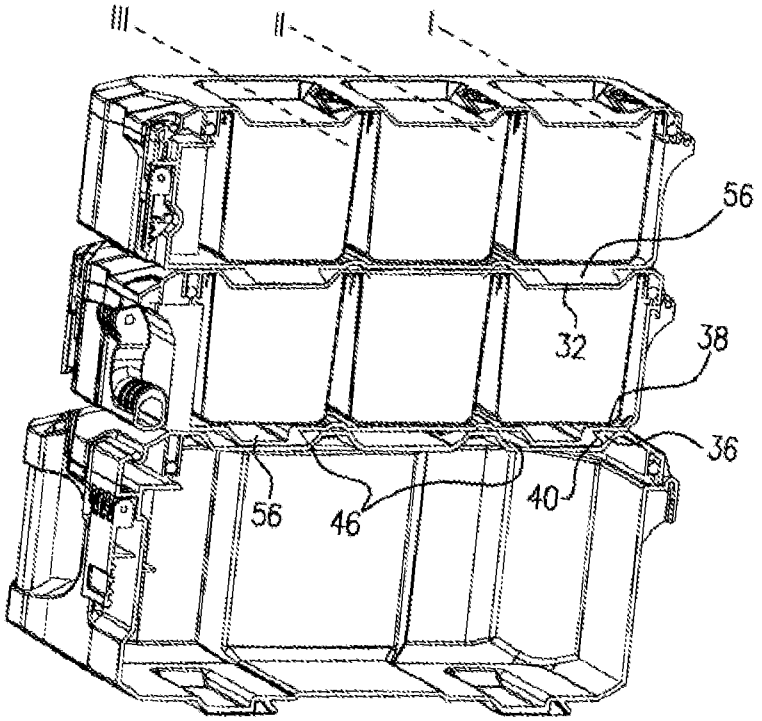


FIG. 2C

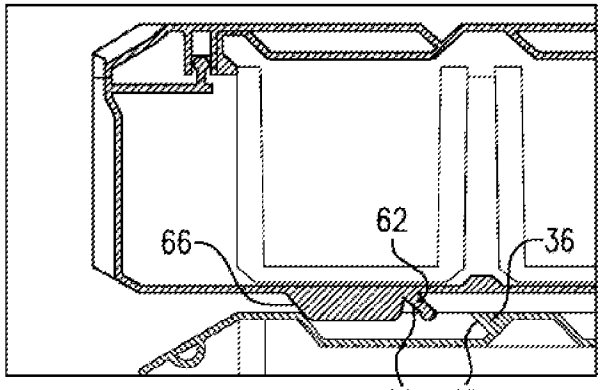


FIG. 3A

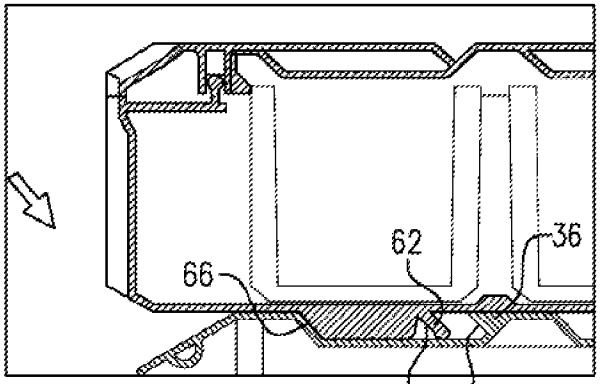


FIG. 3B

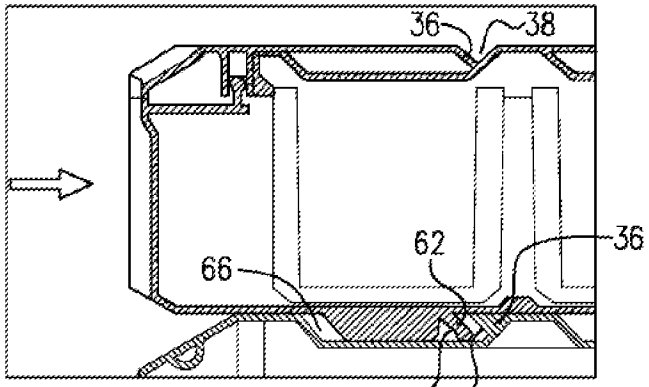


FIG. 3C

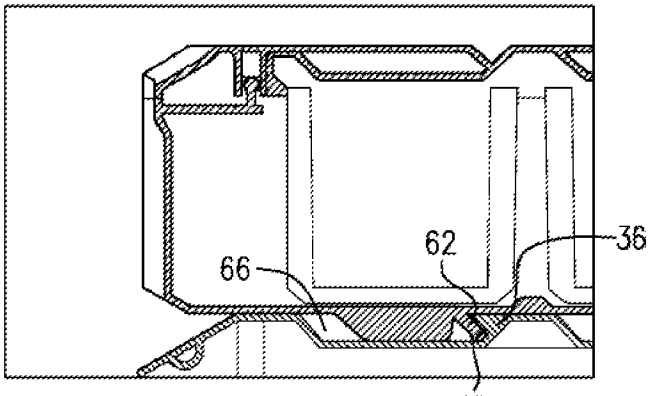


FIG. 3D

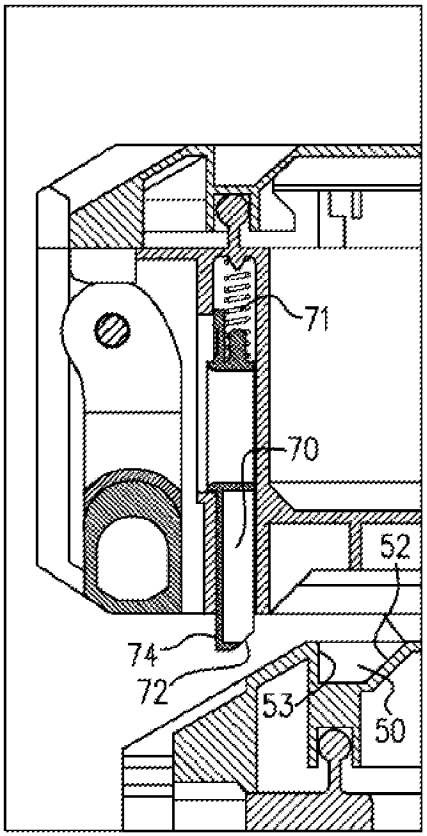


FIG. 4A

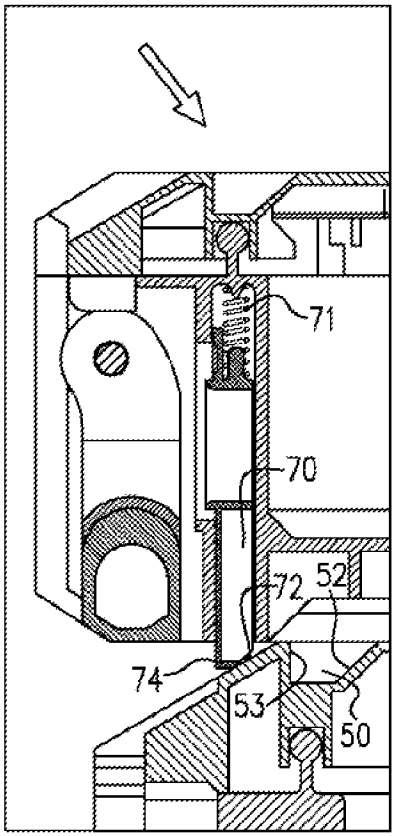


FIG. 4B

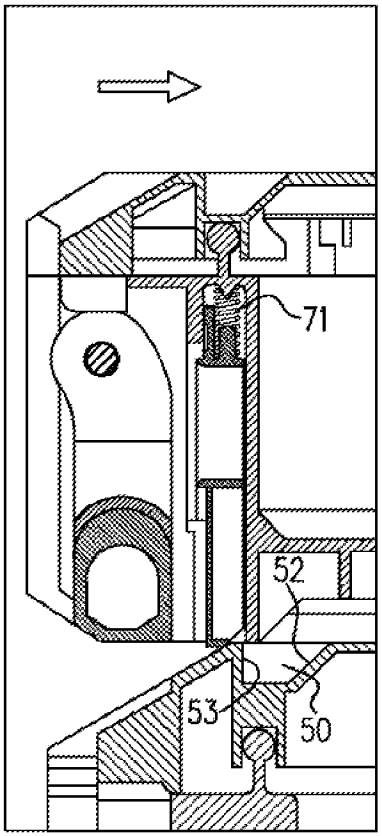


FIG. 4C

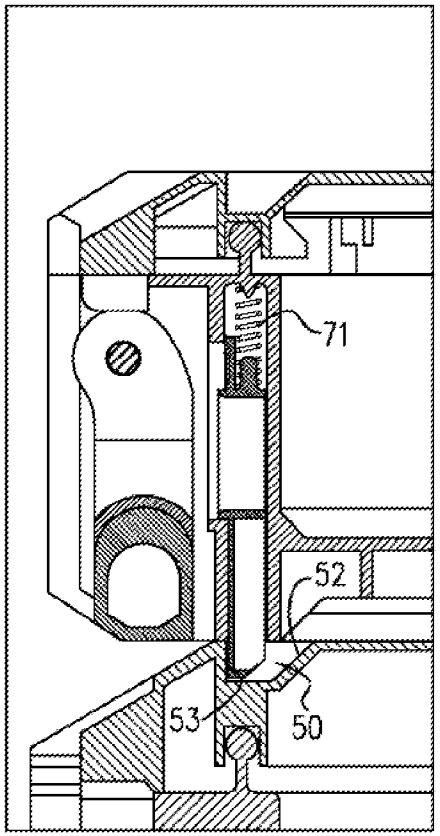


FIG. 4D

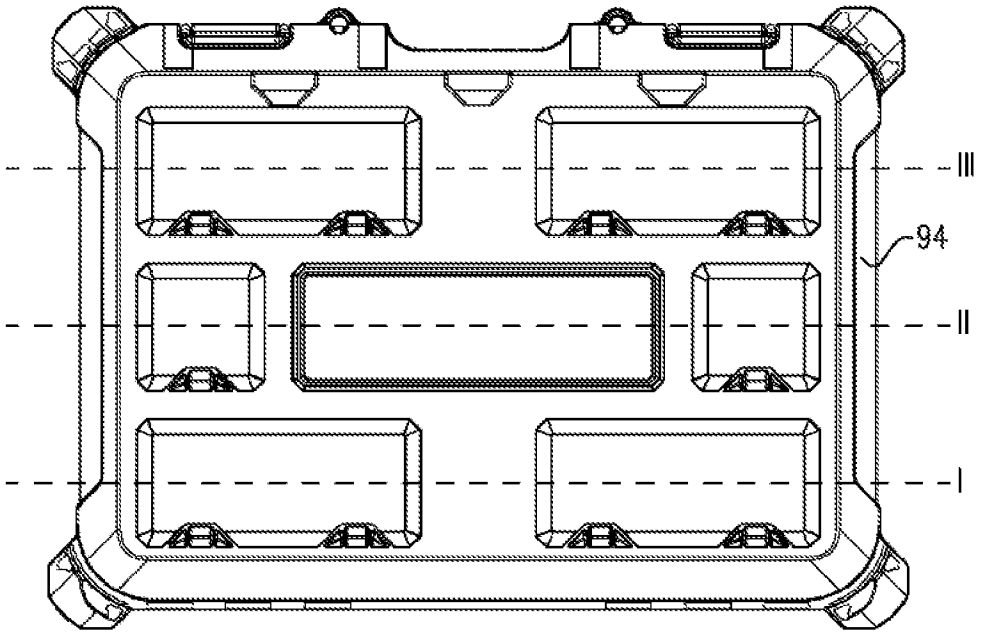


FIG. 5A

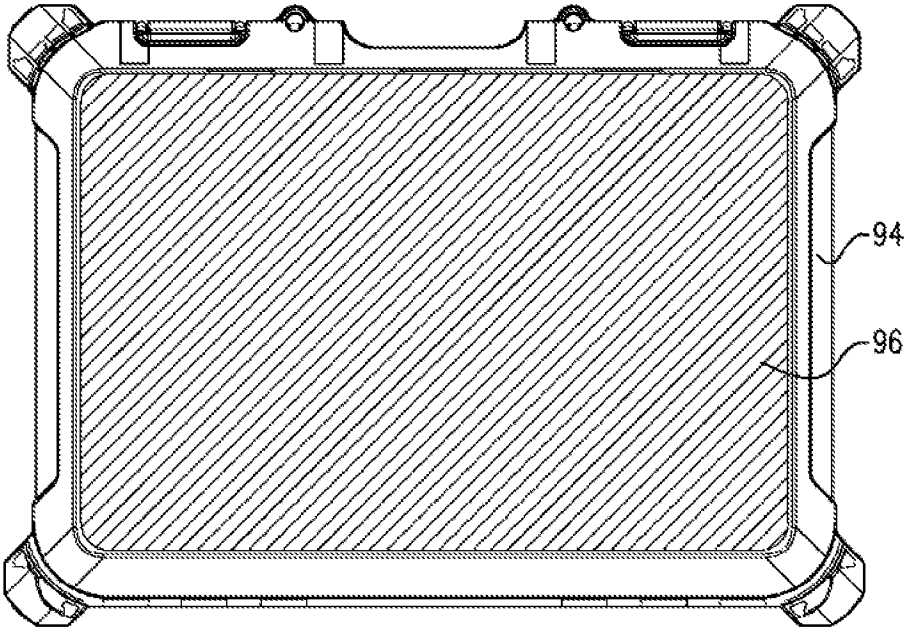


FIG. 5B

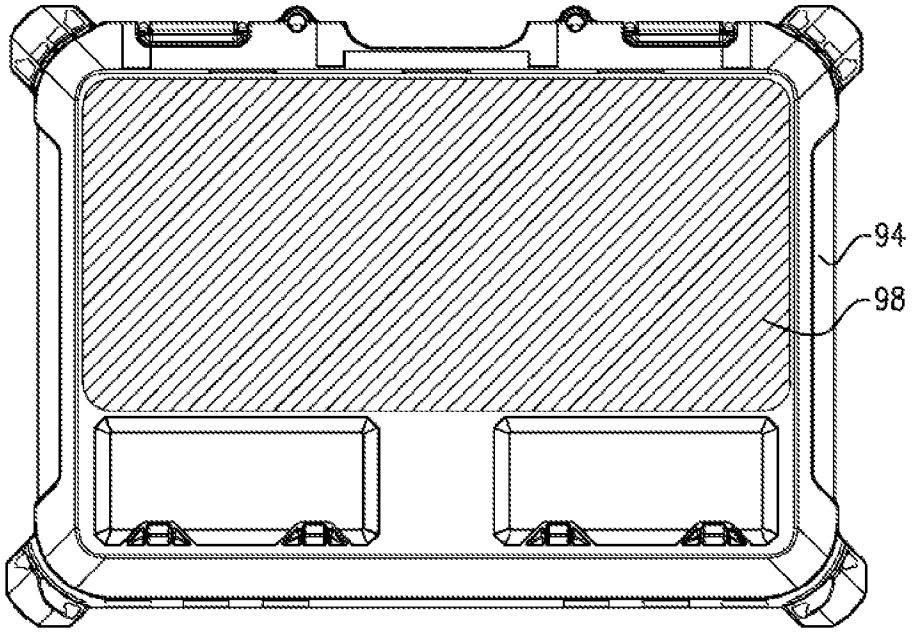


FIG. 5C

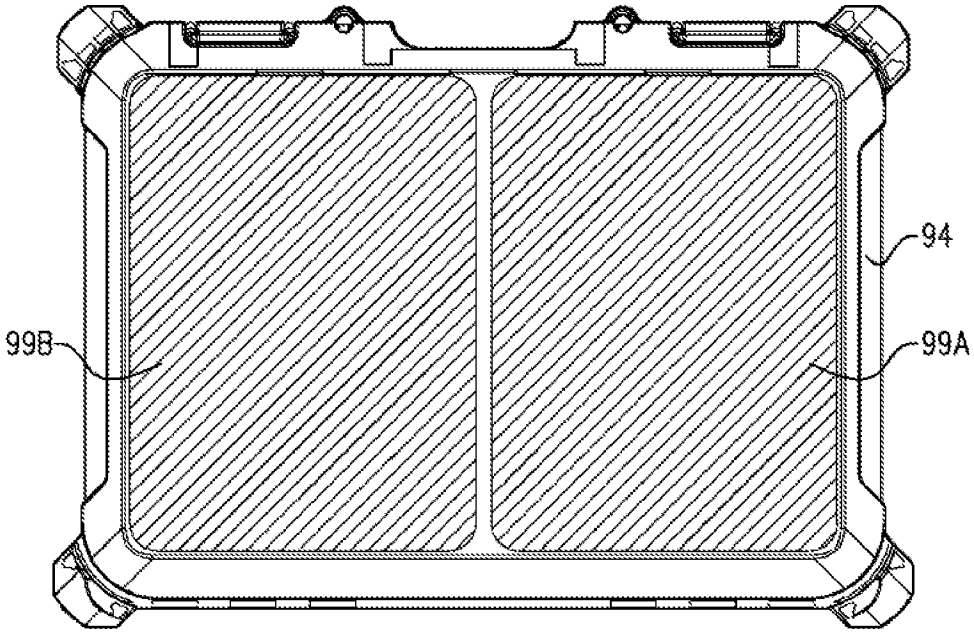


FIG. 5D

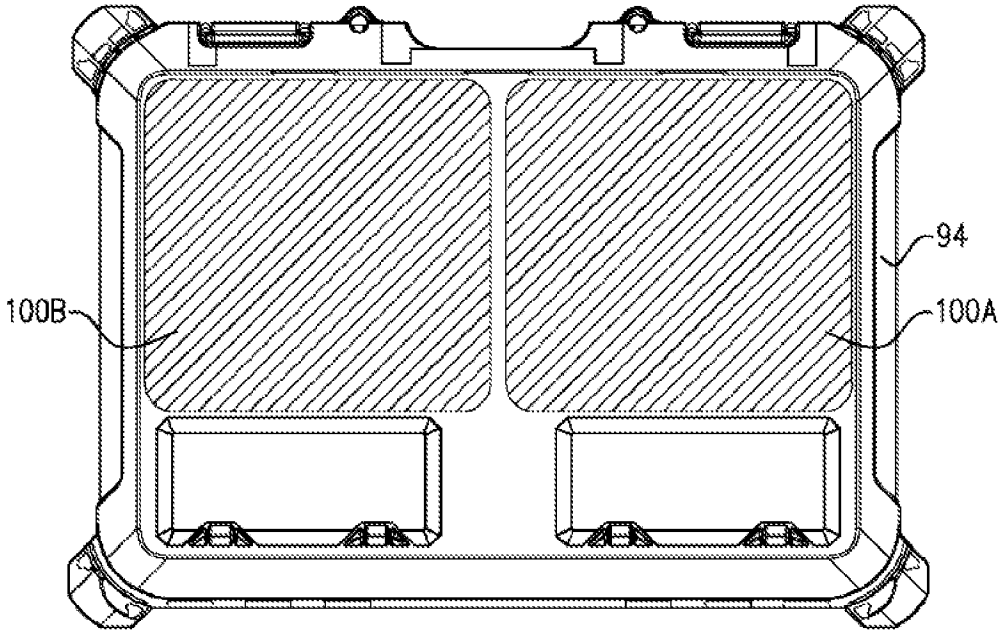


FIG. 5E

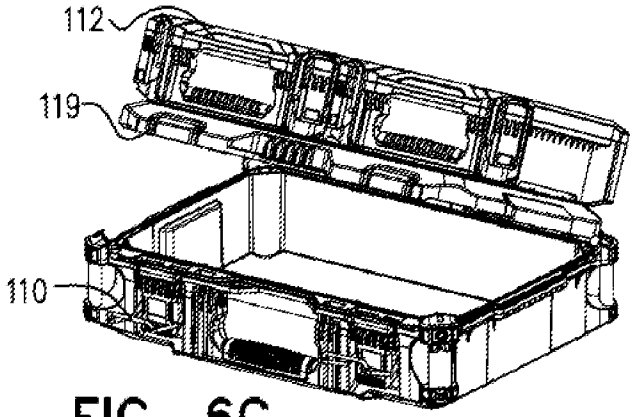


FIG. 6G

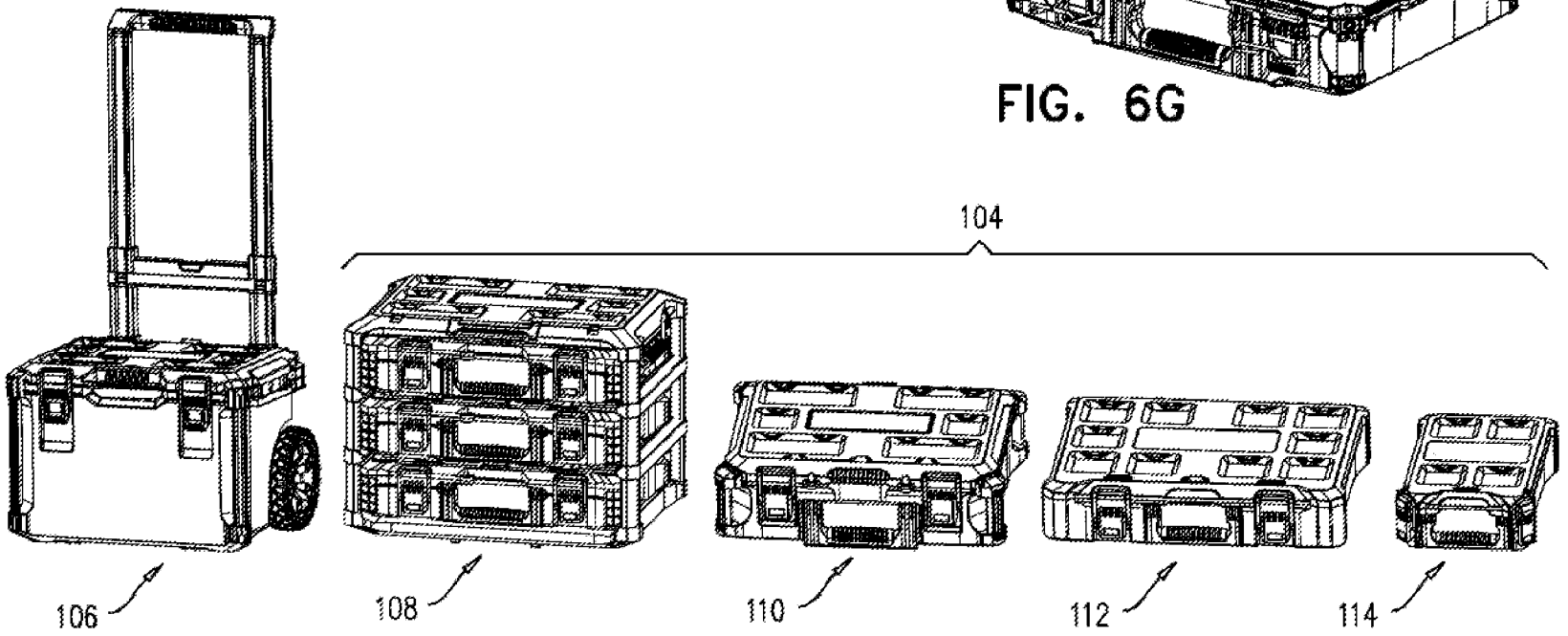


FIG. 6A

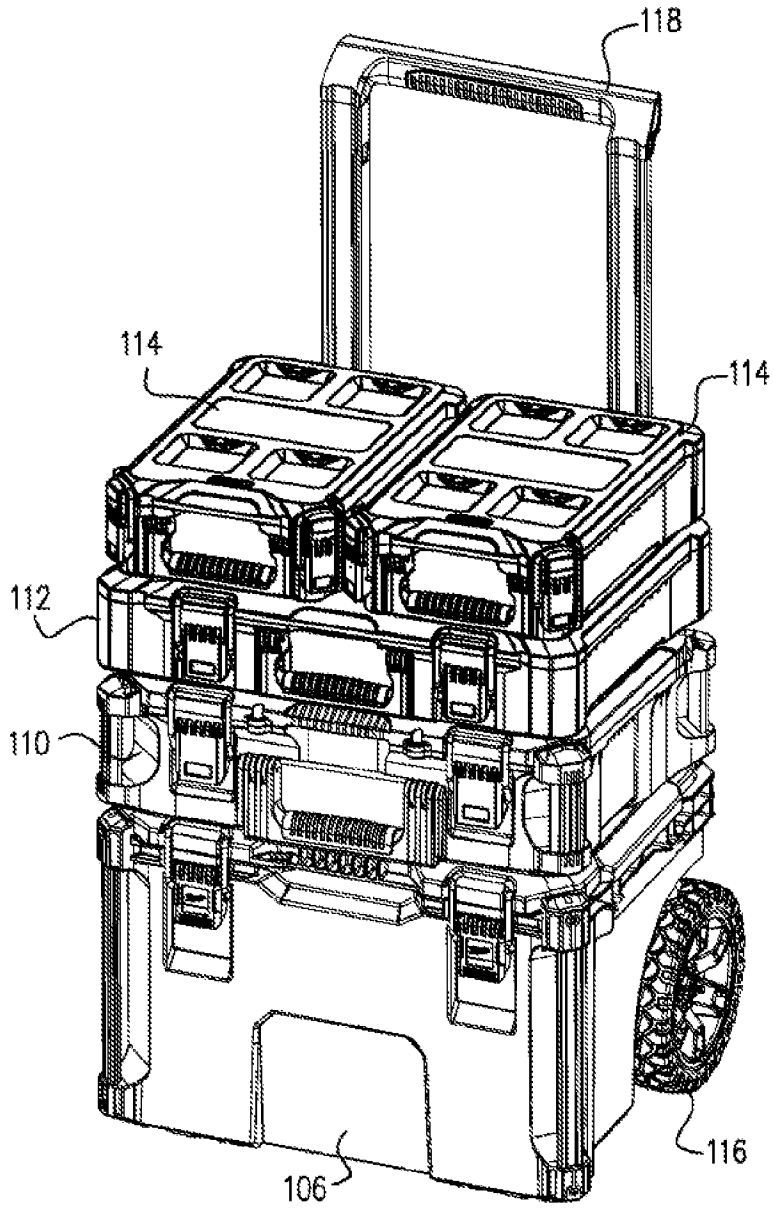


FIG. 6B

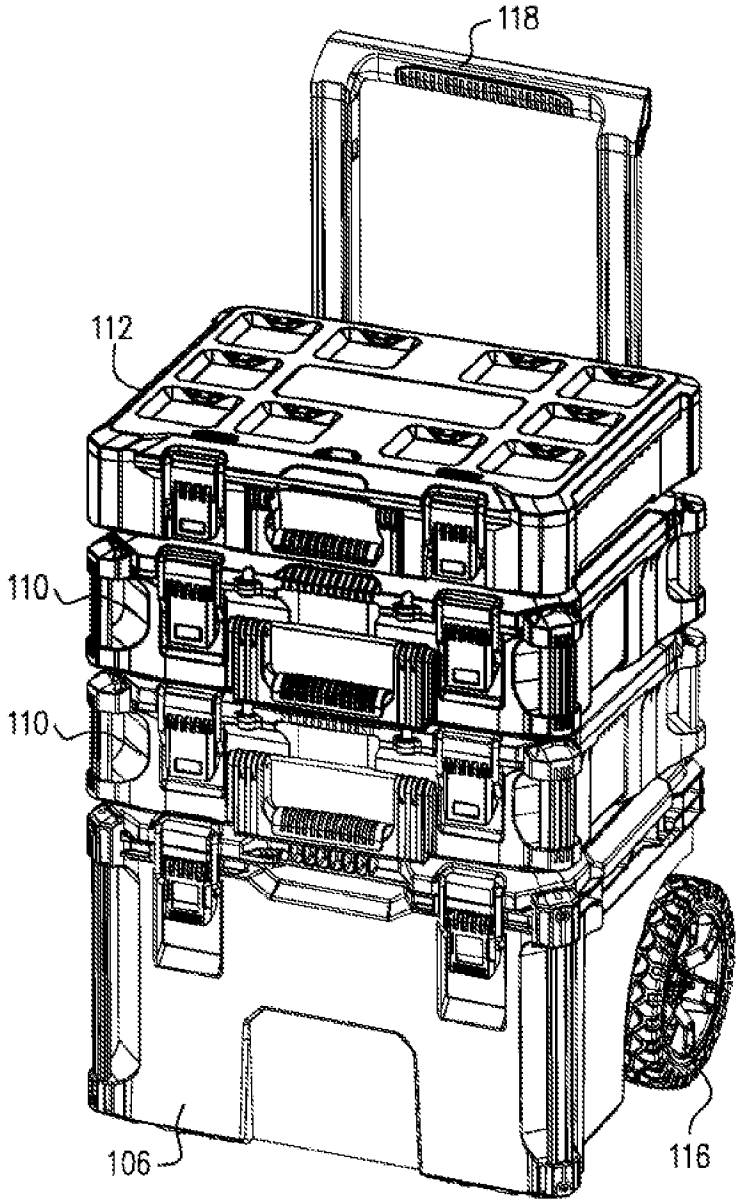


FIG. 6C

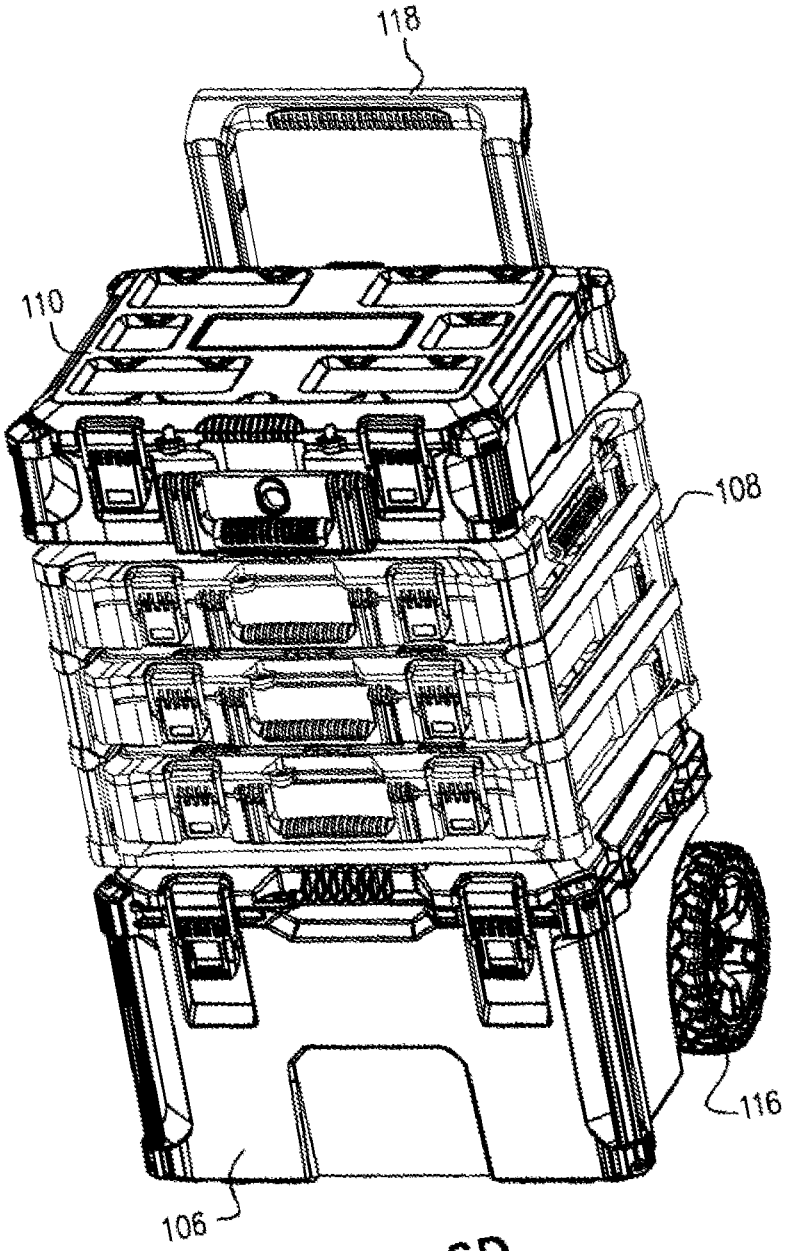


FIG. 6D

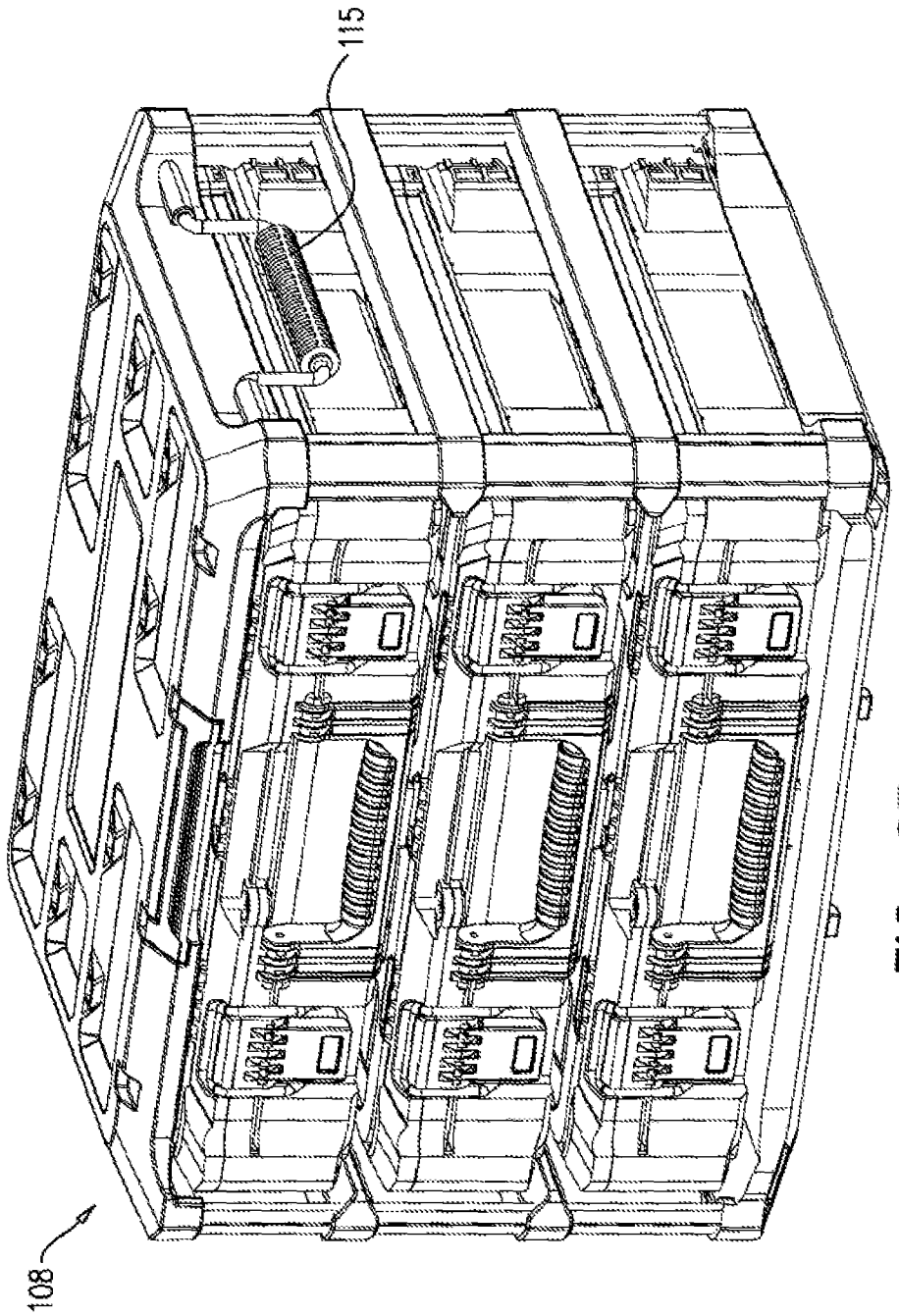


FIG. 6E

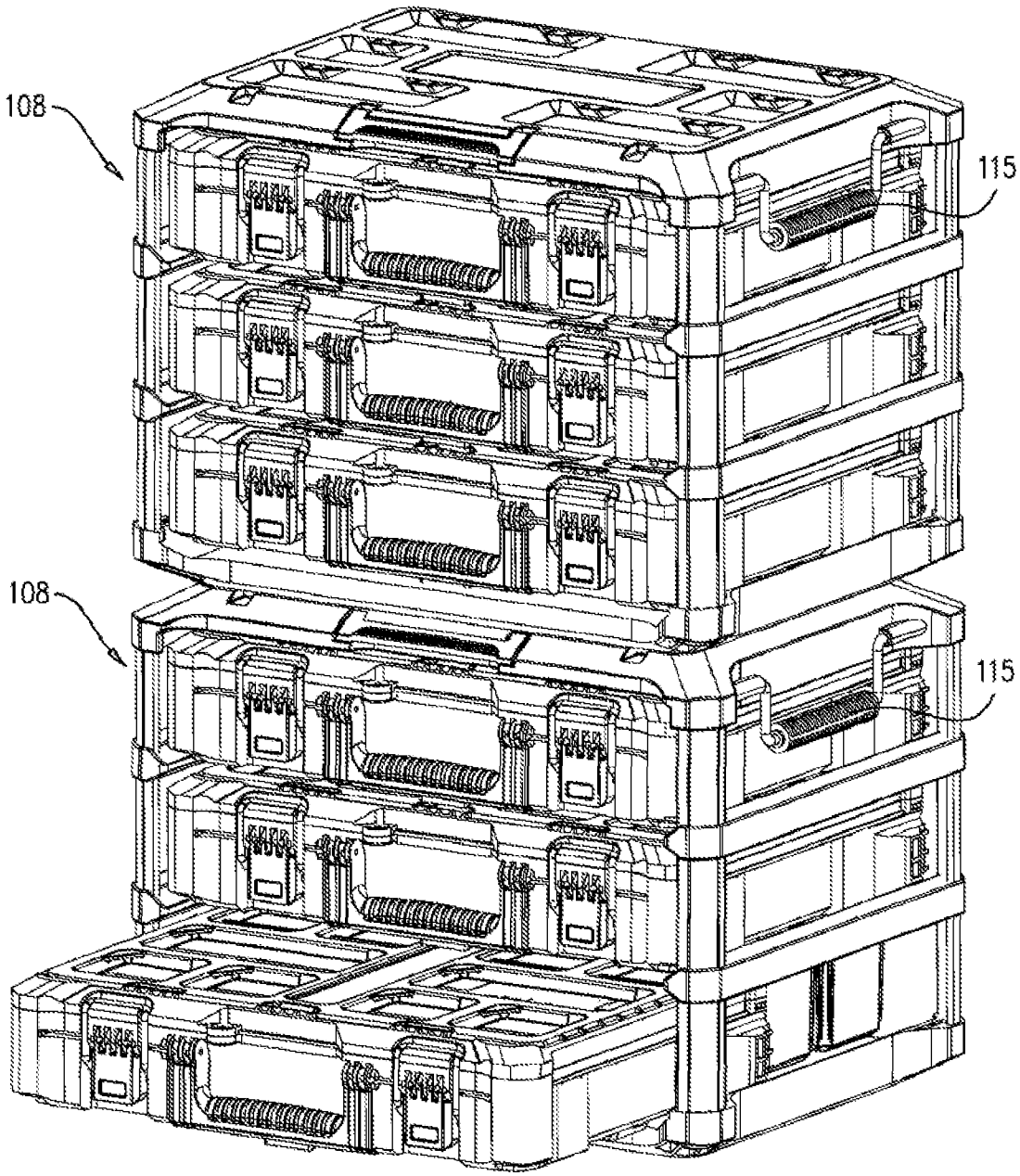


FIG. 6F

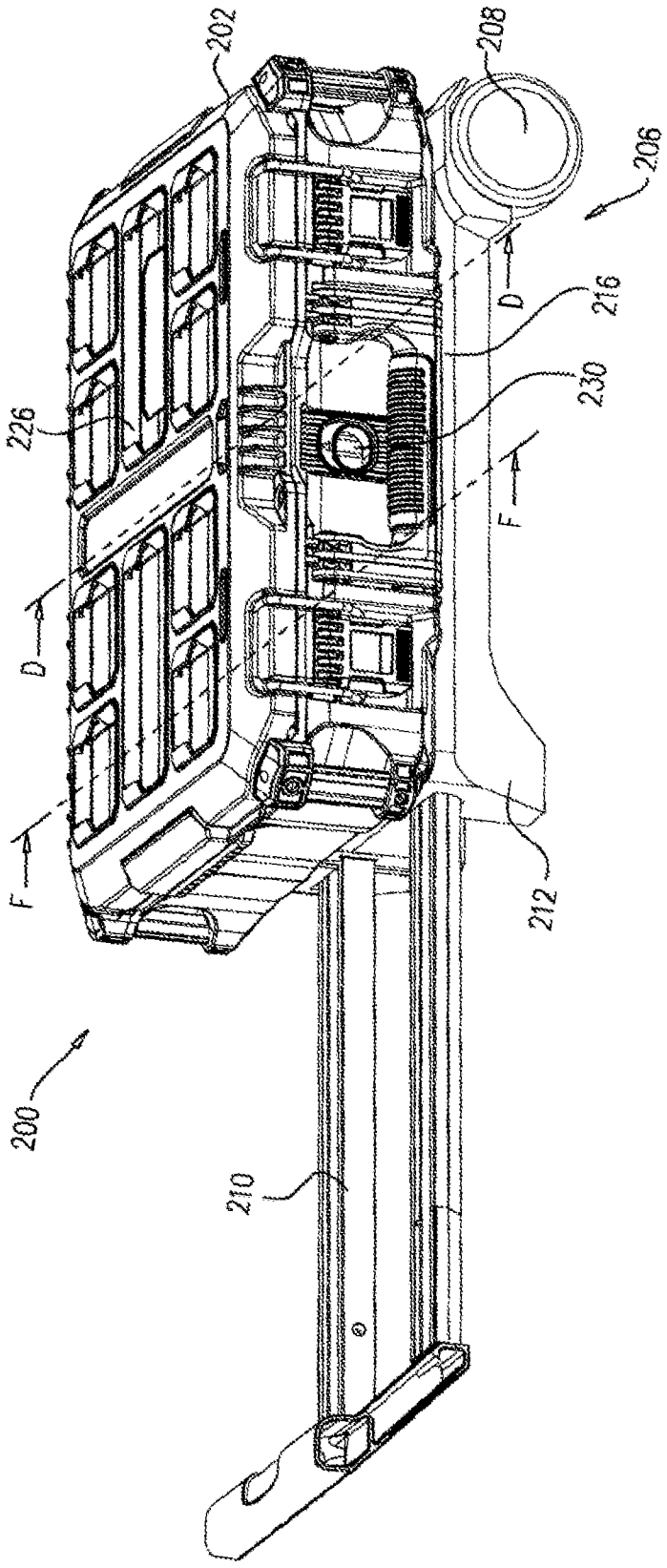


FIG. 7A

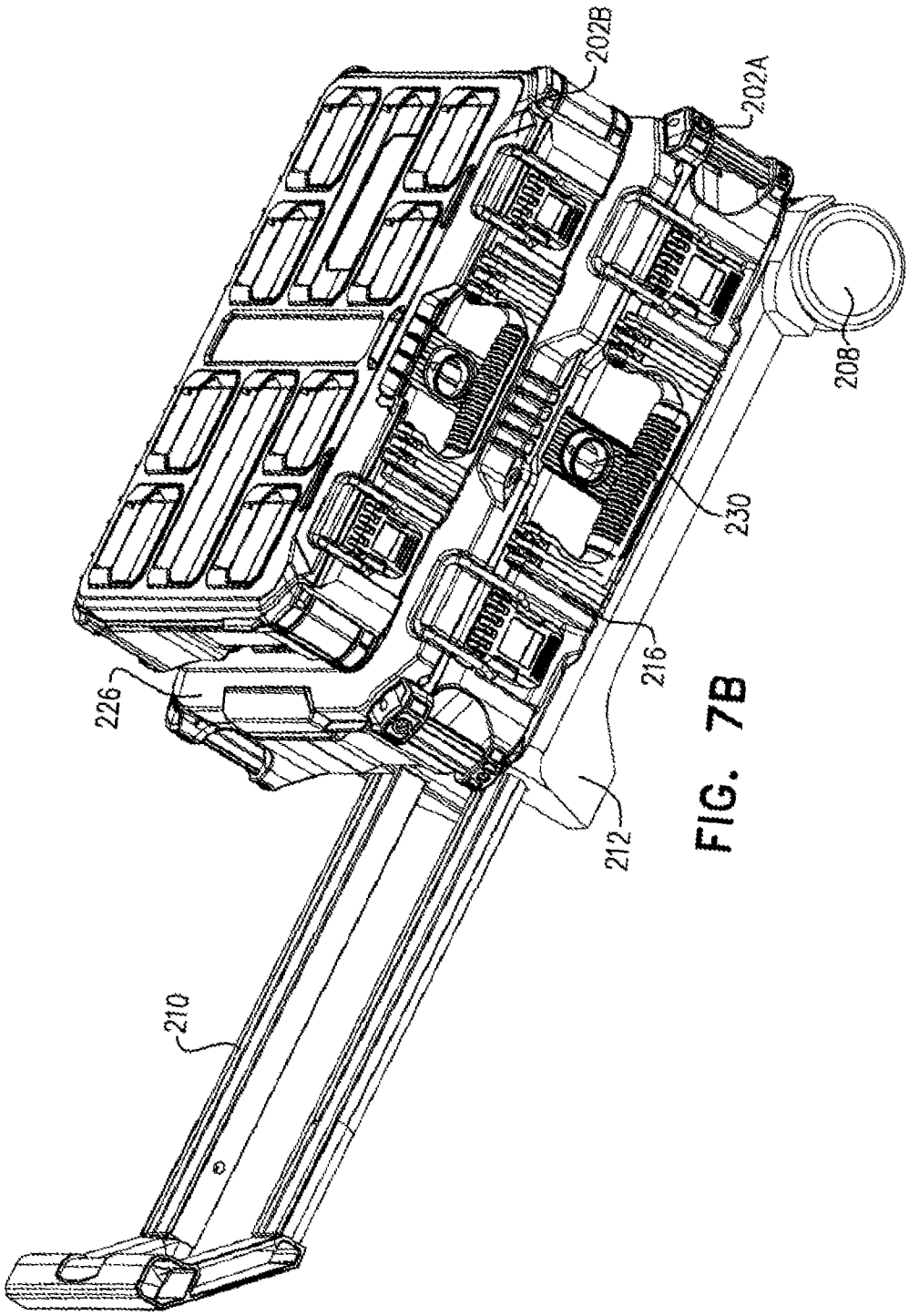


FIG. 7B

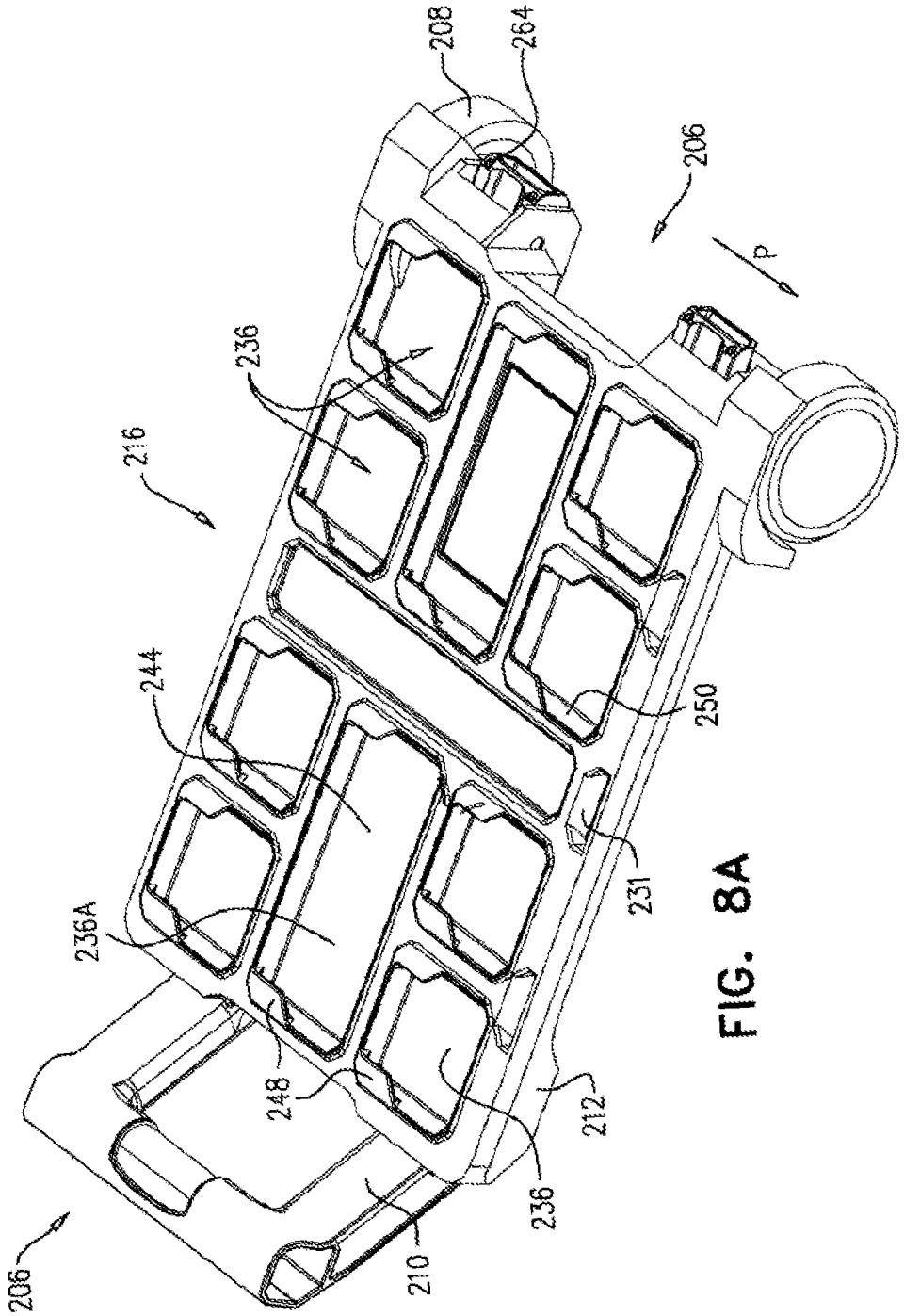


FIG. 8A

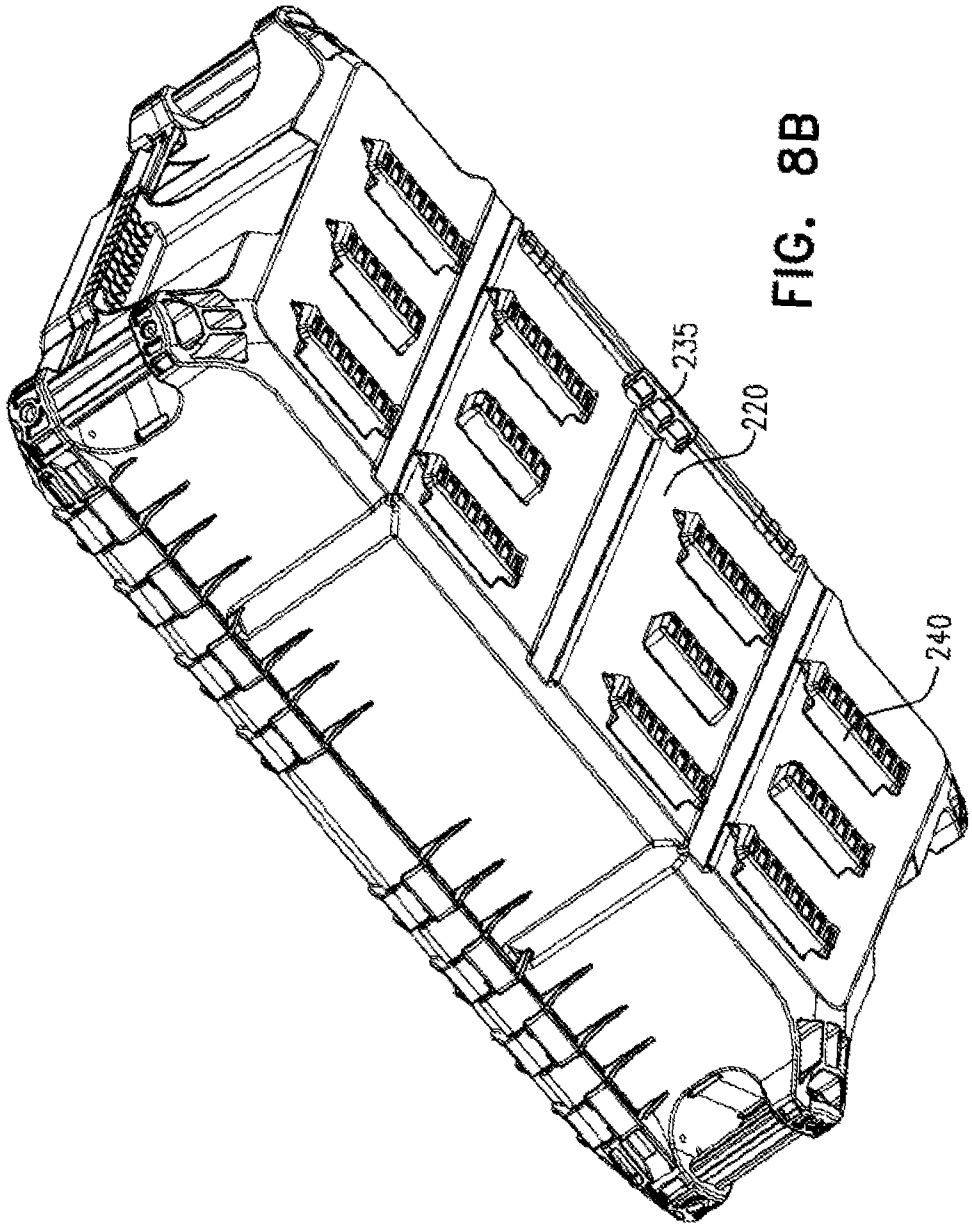


FIG. 8B

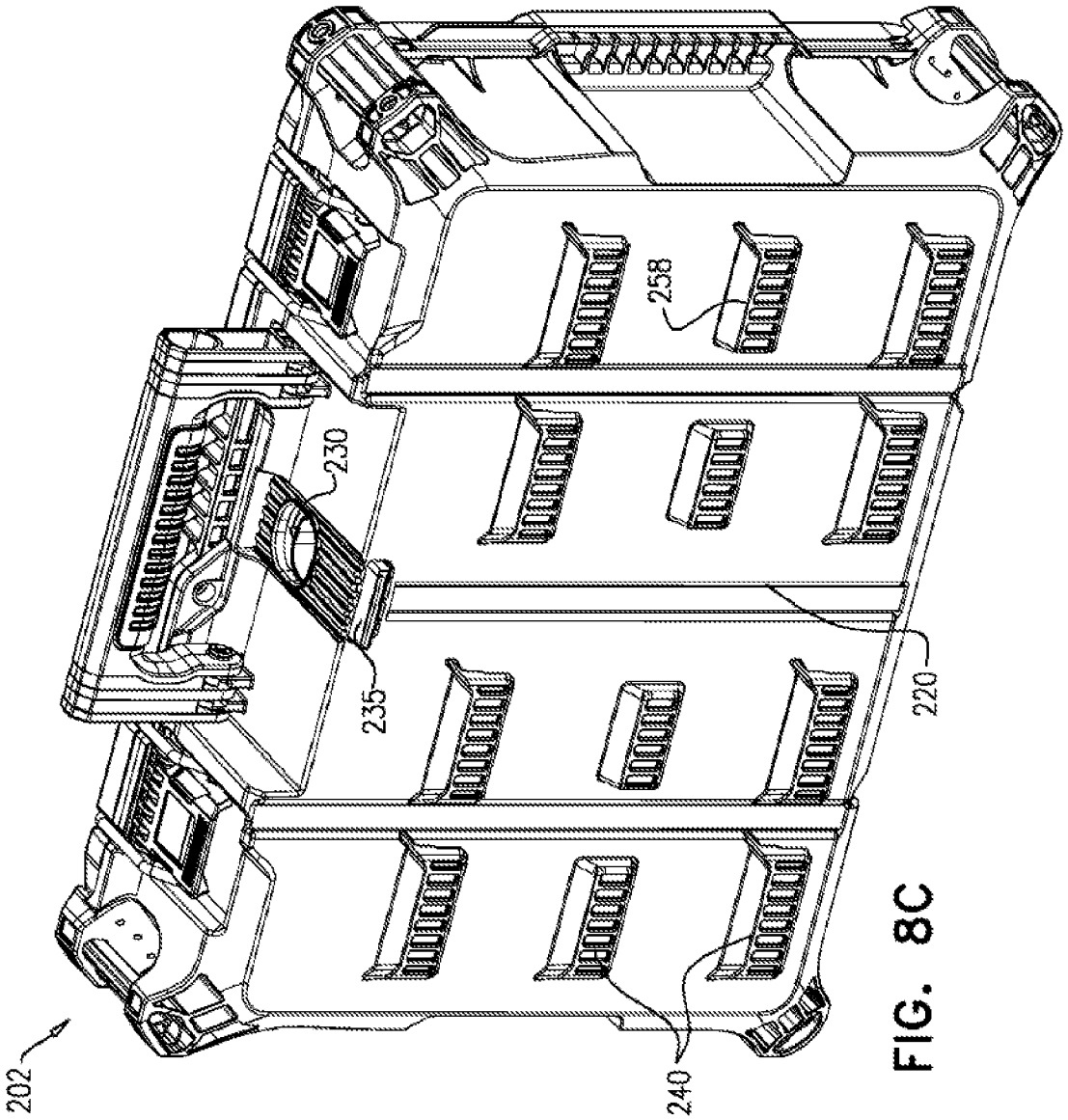


FIG. 8C

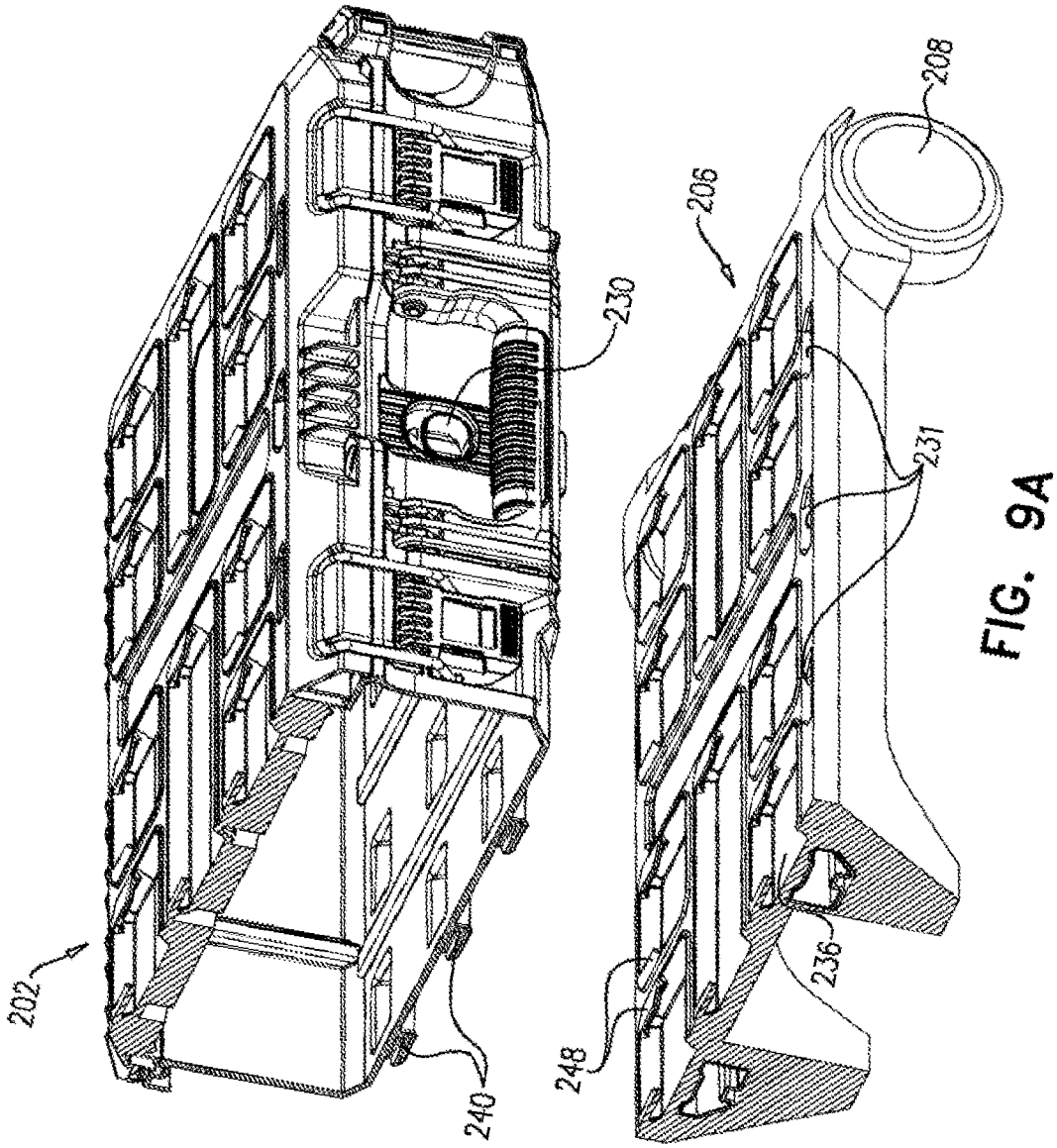


FIG. 9A

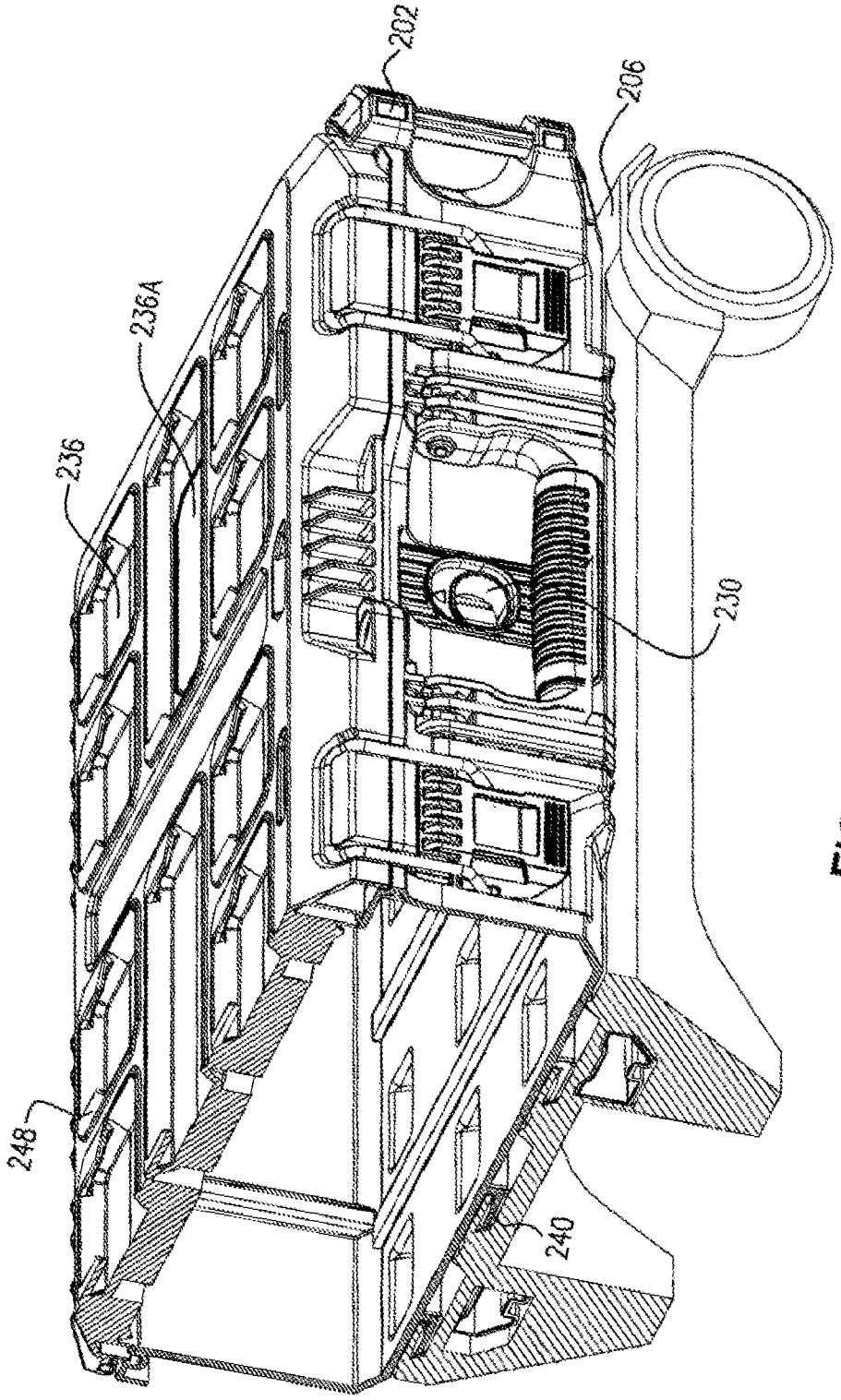


FIG. 9B

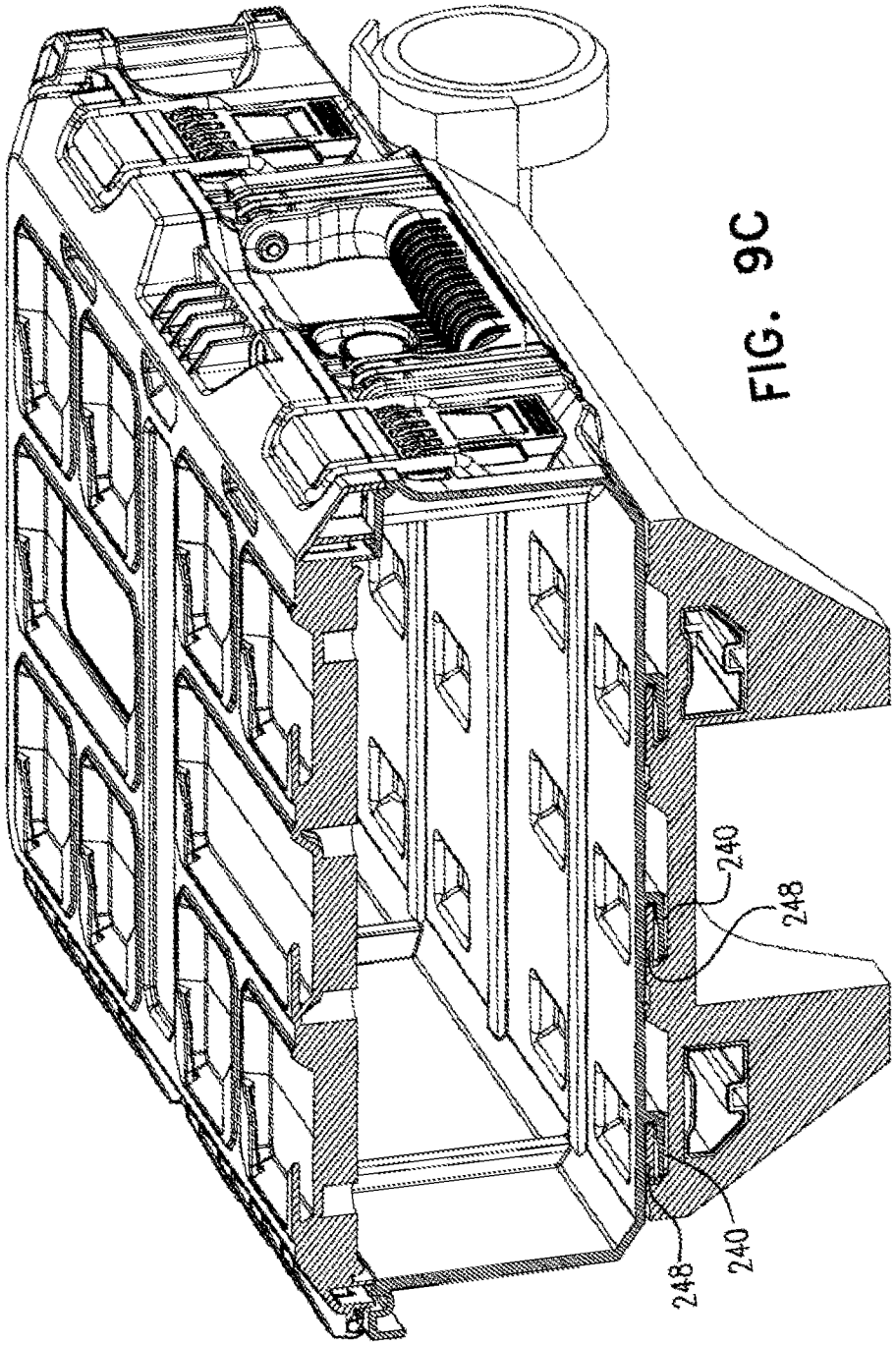


FIG. 9C

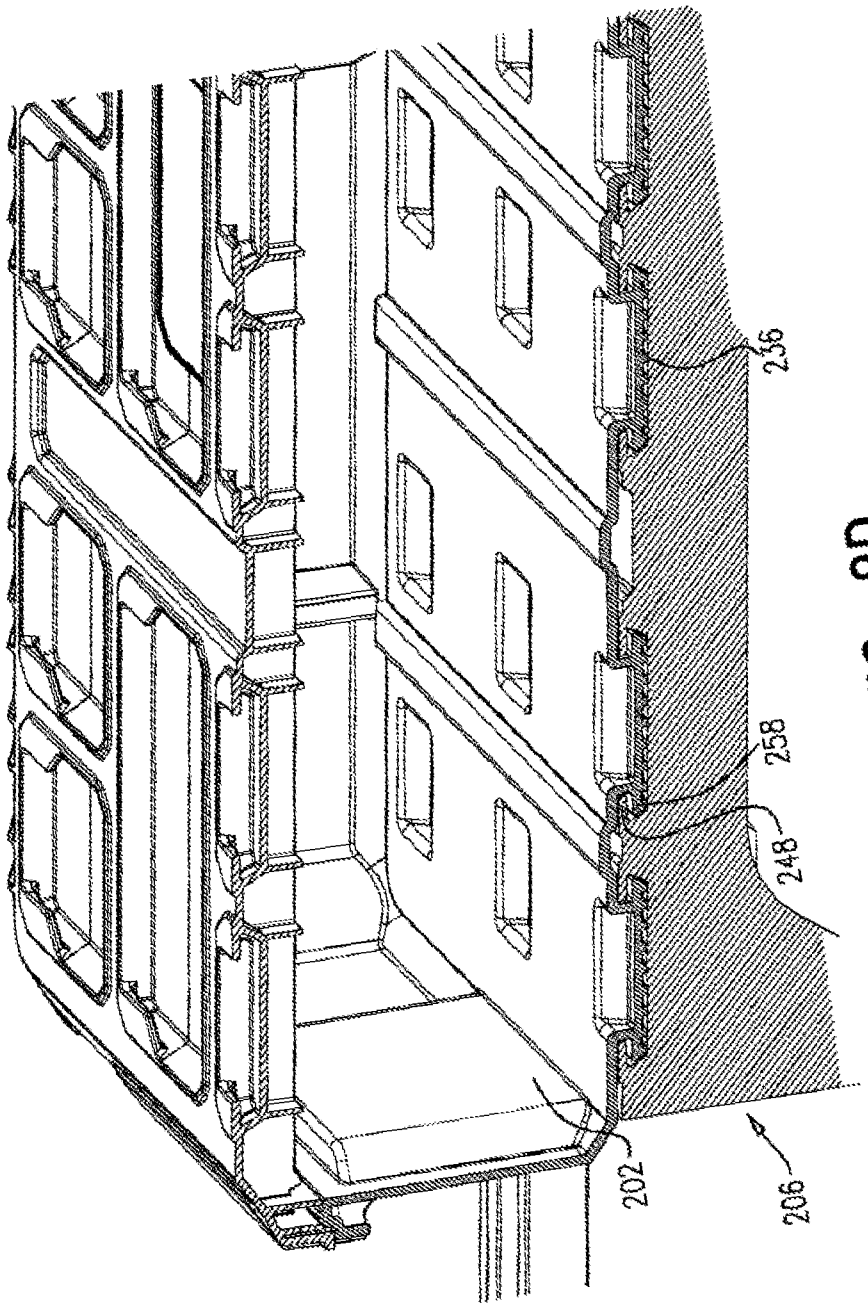


FIG. 9D

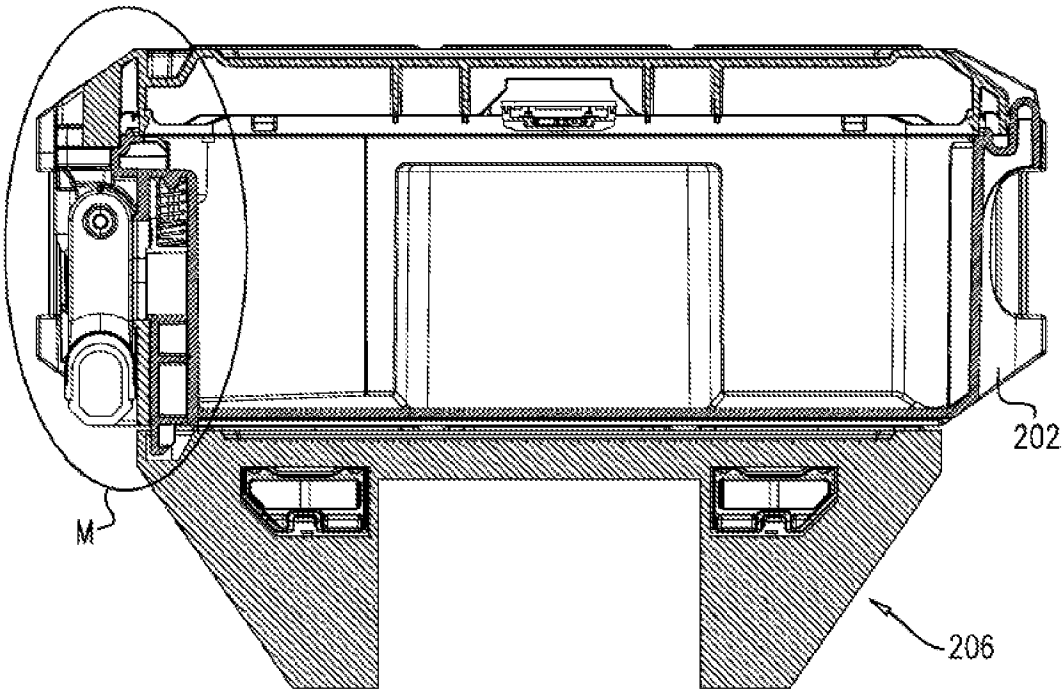


FIG. 10A

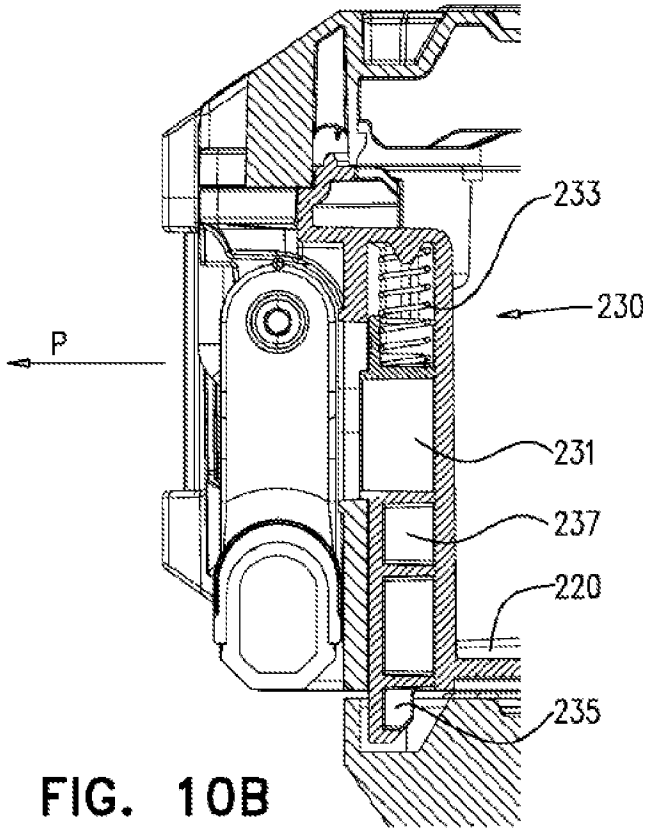


FIG. 10B

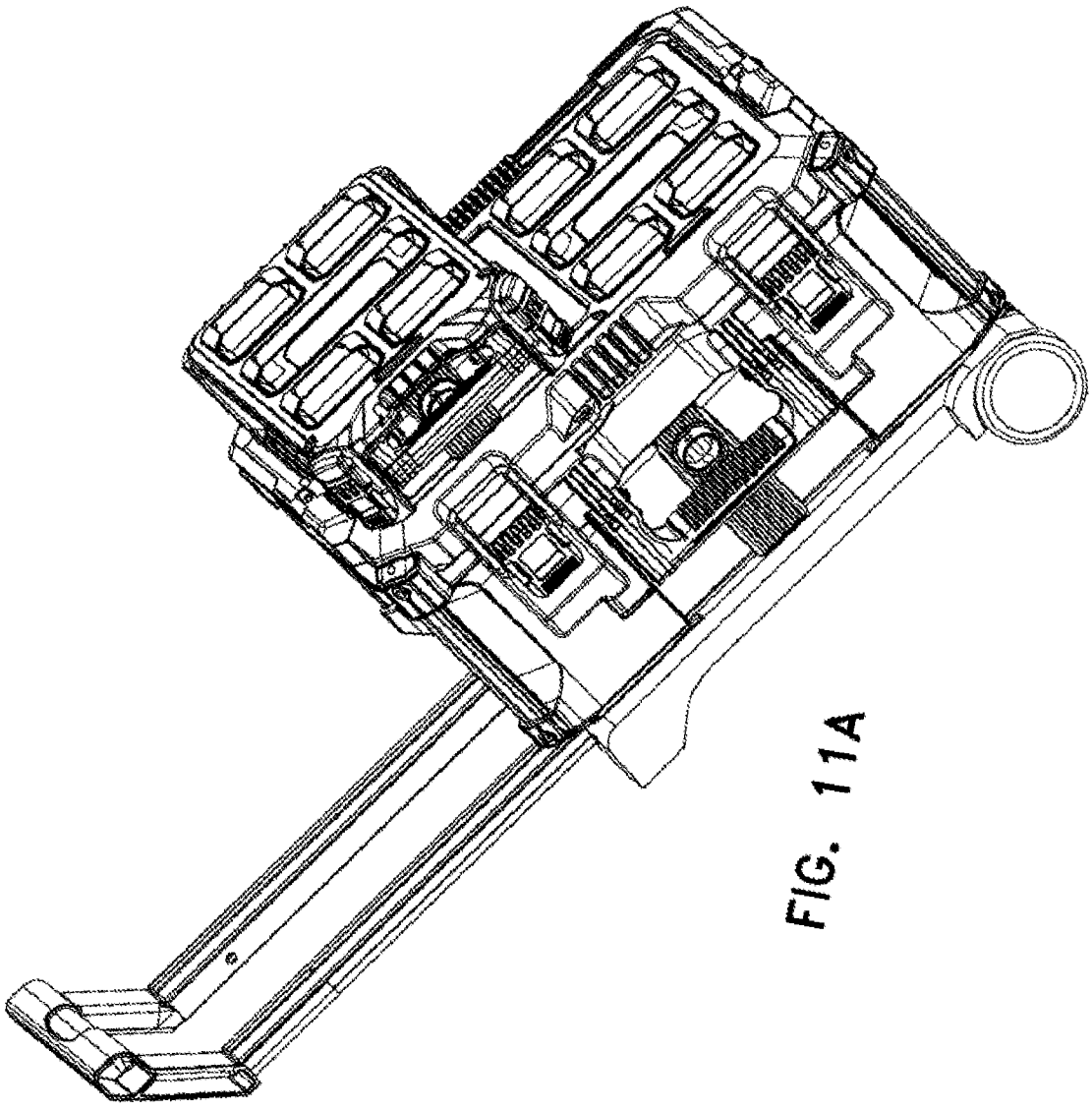


FIG. 11A

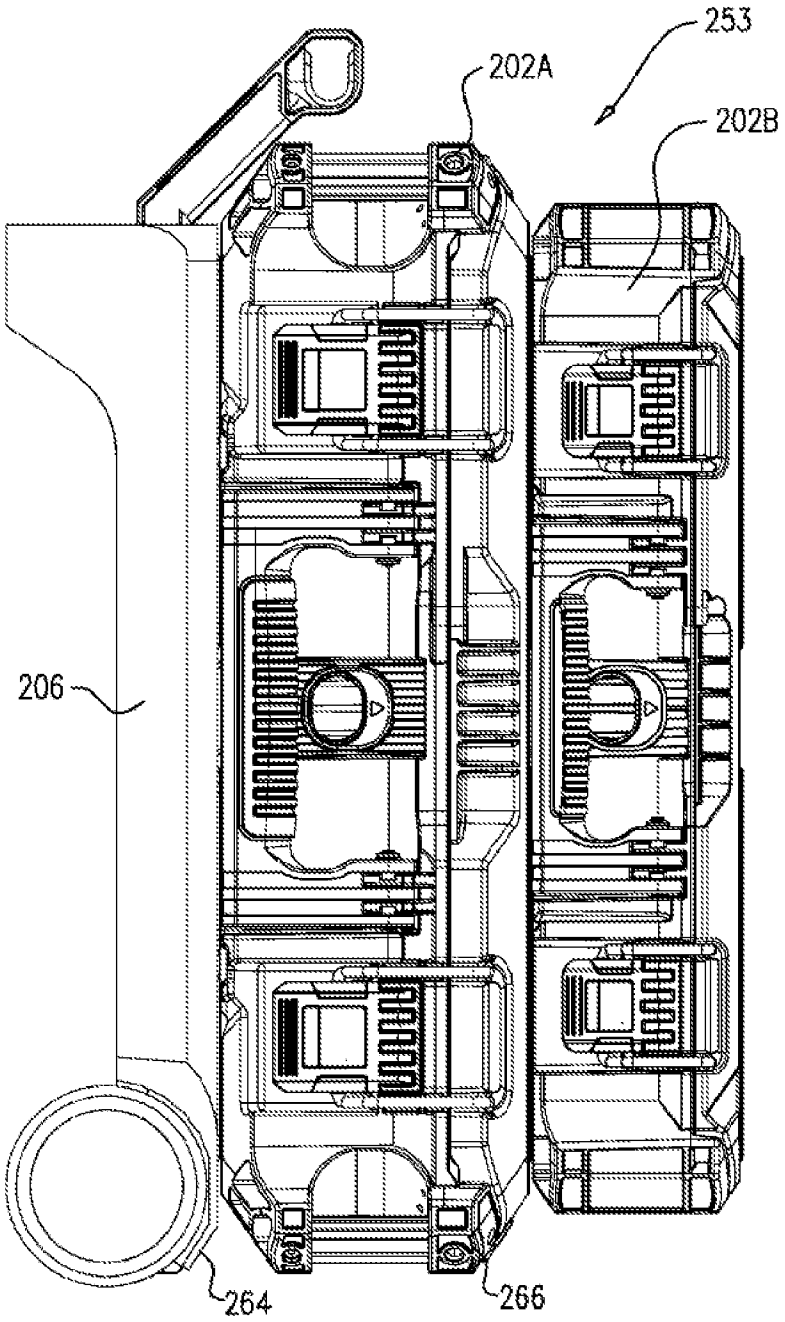


FIG. 11B

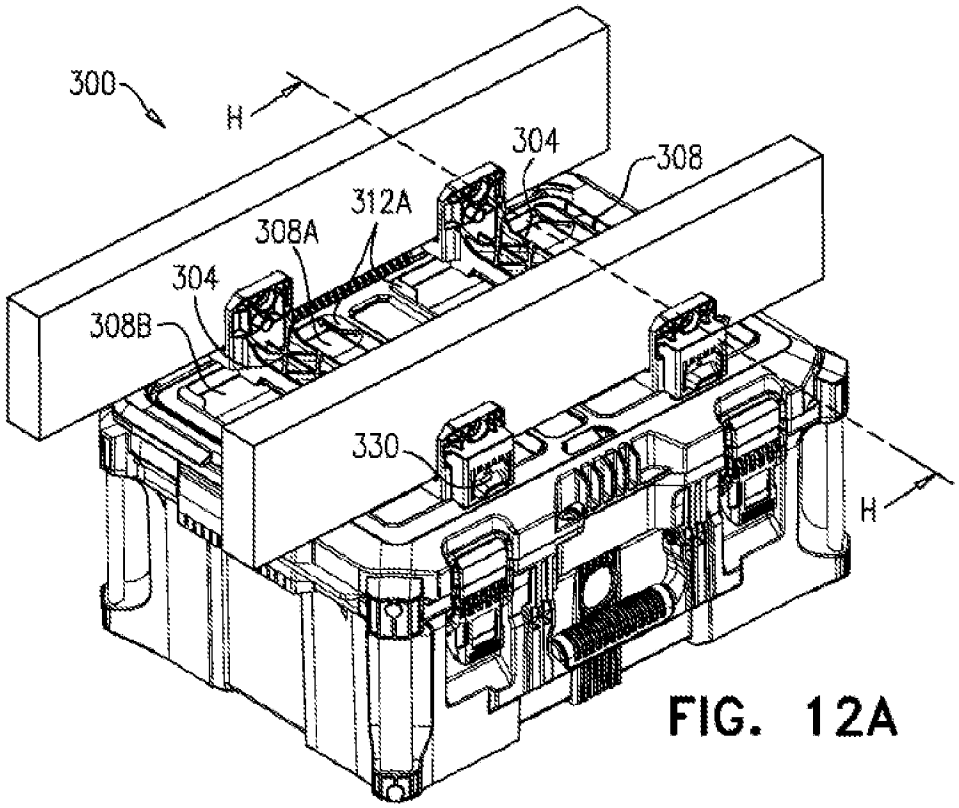


FIG. 12A

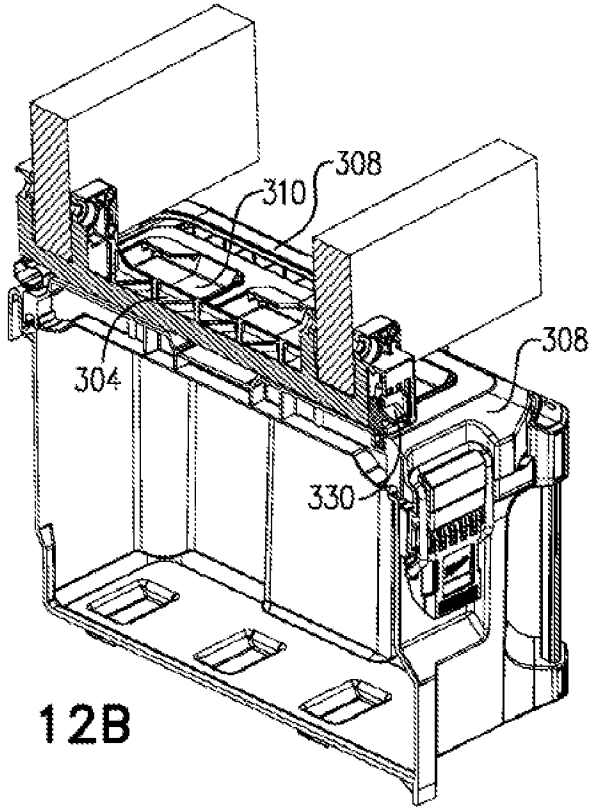
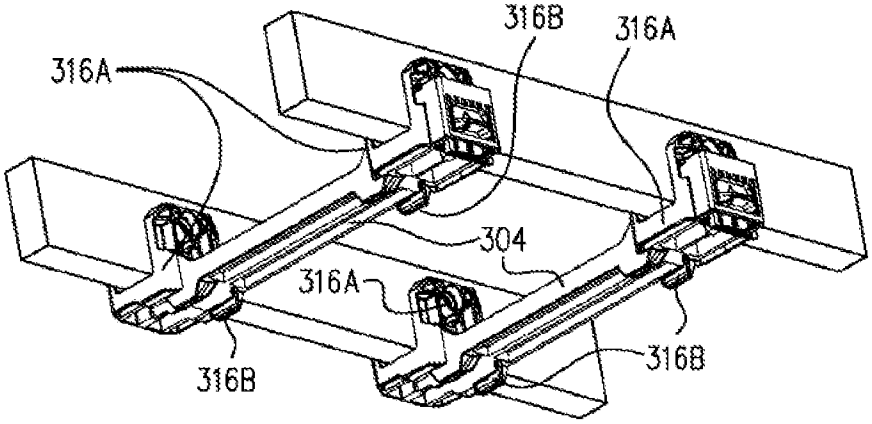


FIG. 12B


316B
316A
316A
304
316A
316B
316B

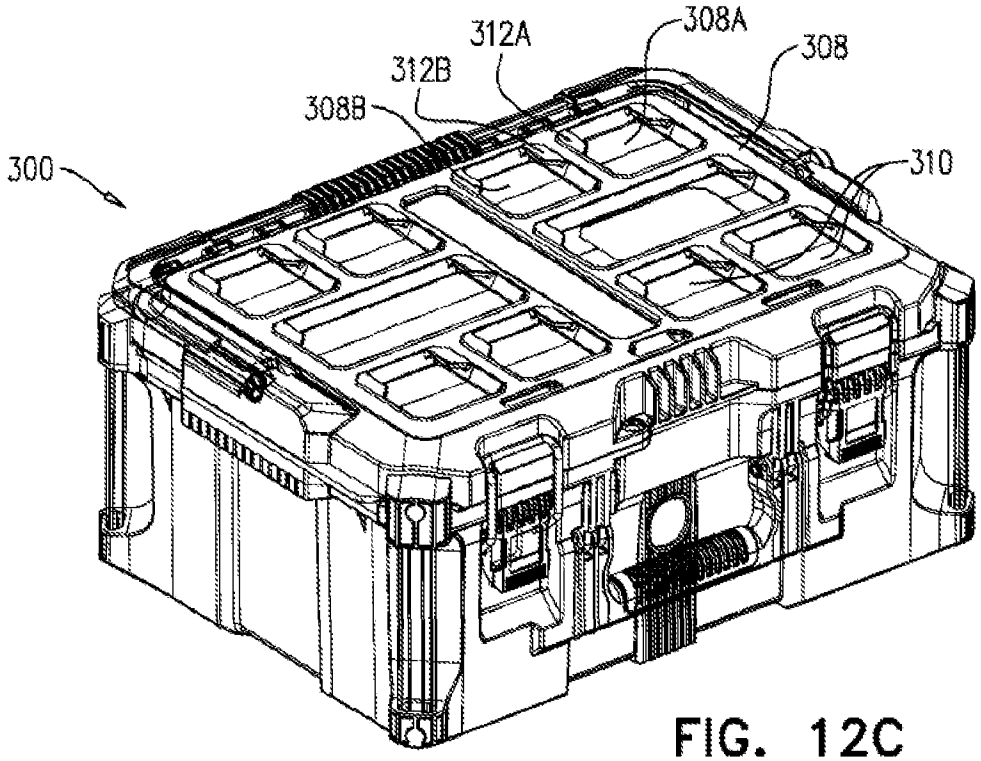

312A
308A
308
312B
308B
300
310

FIG. 12C

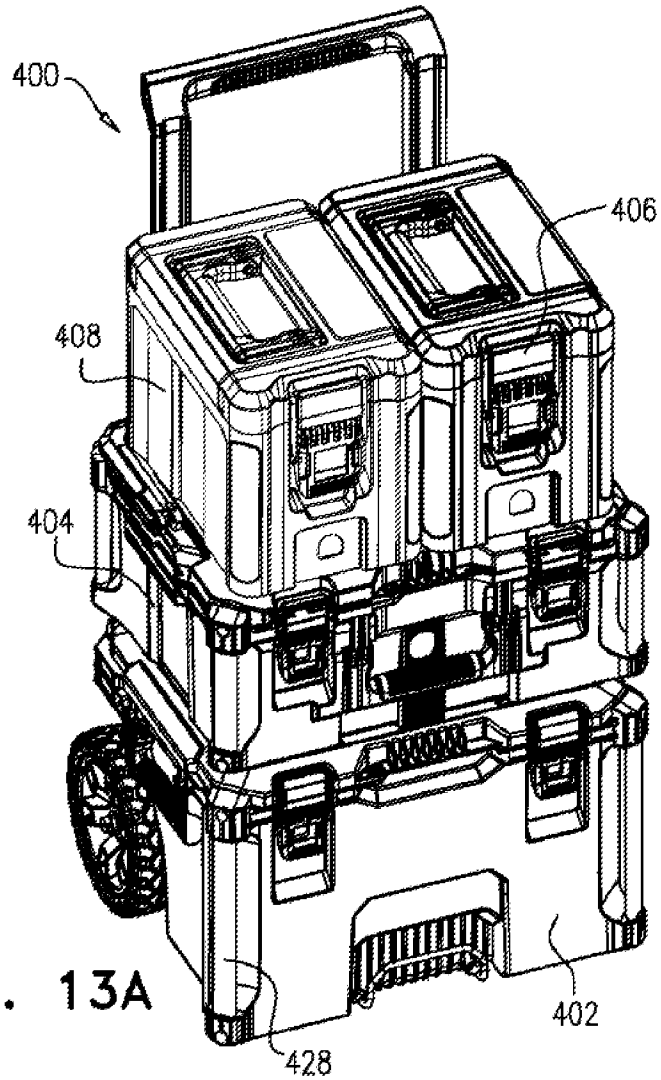


FIG. 13A

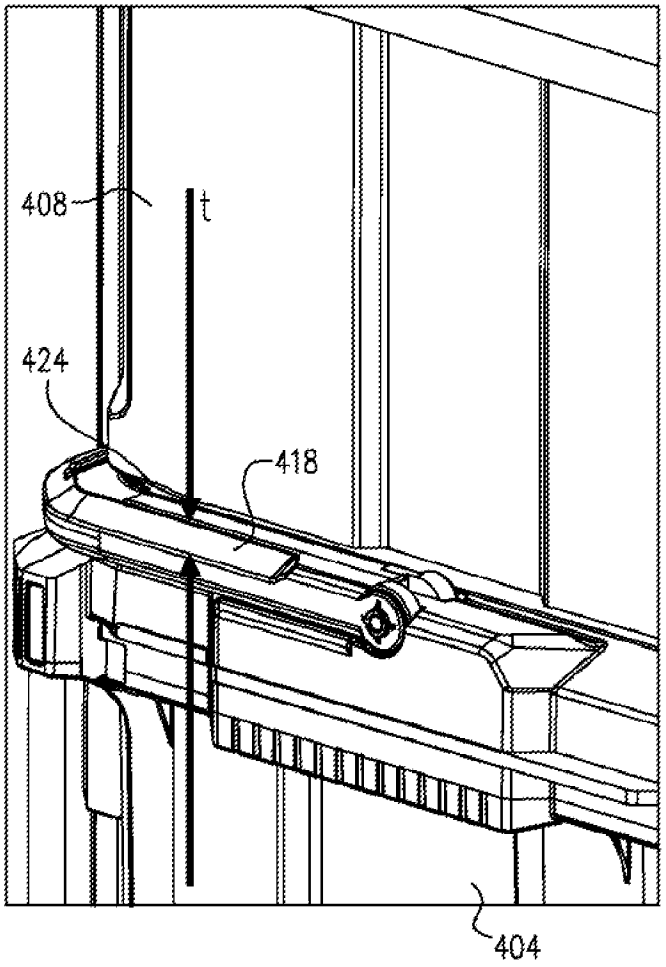


FIG. 13B

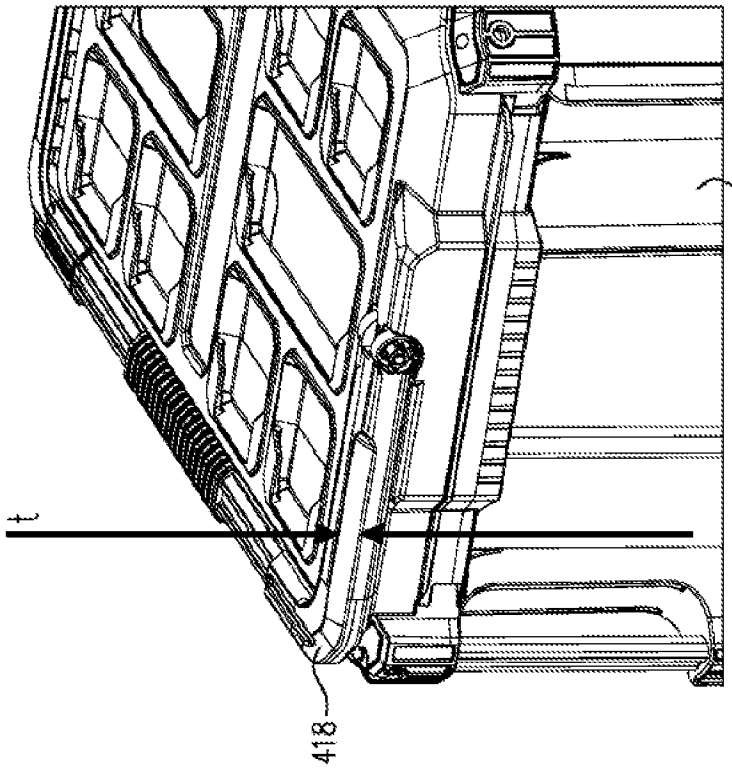


FIG. 13D

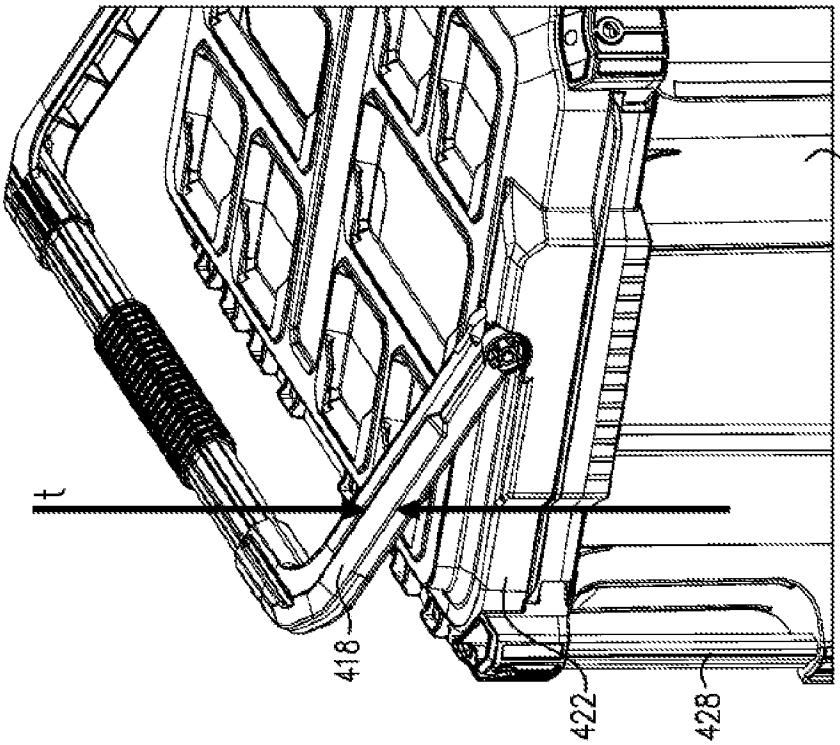


FIG. 13C

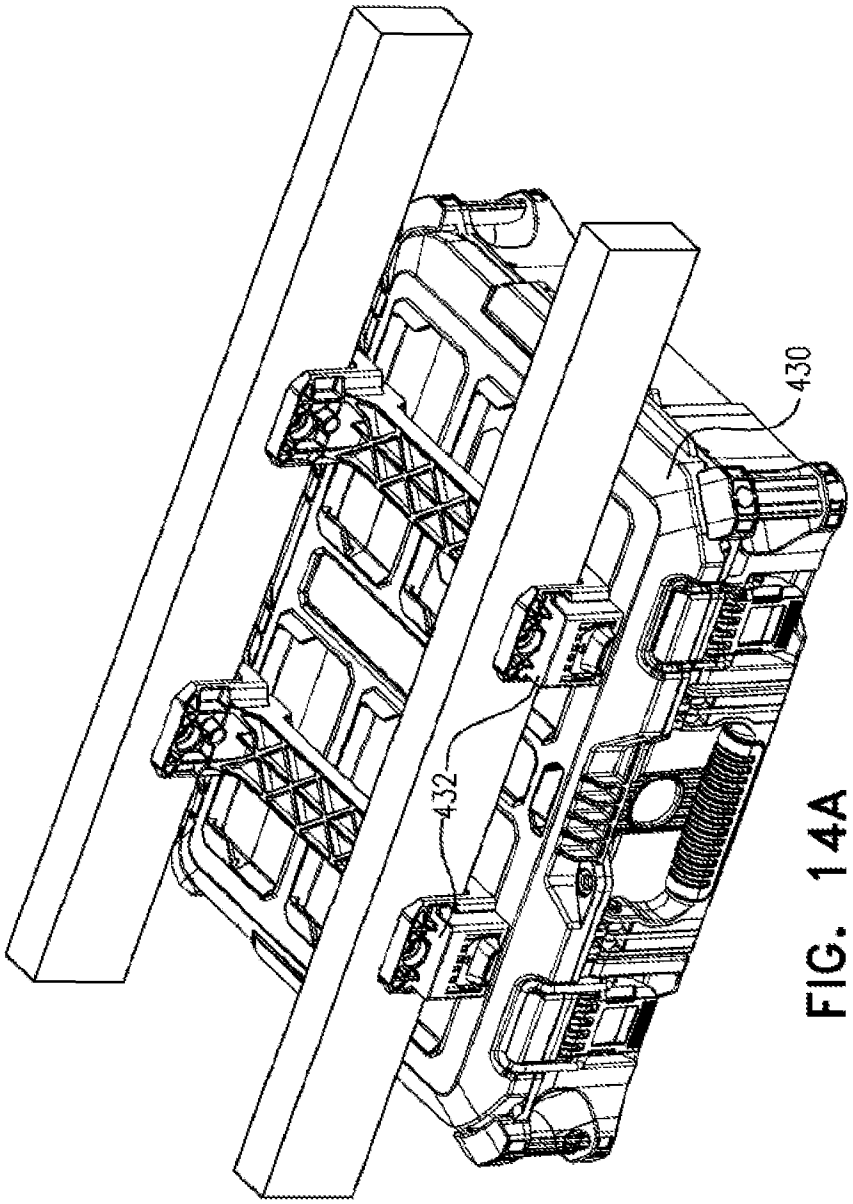


FIG. 14A

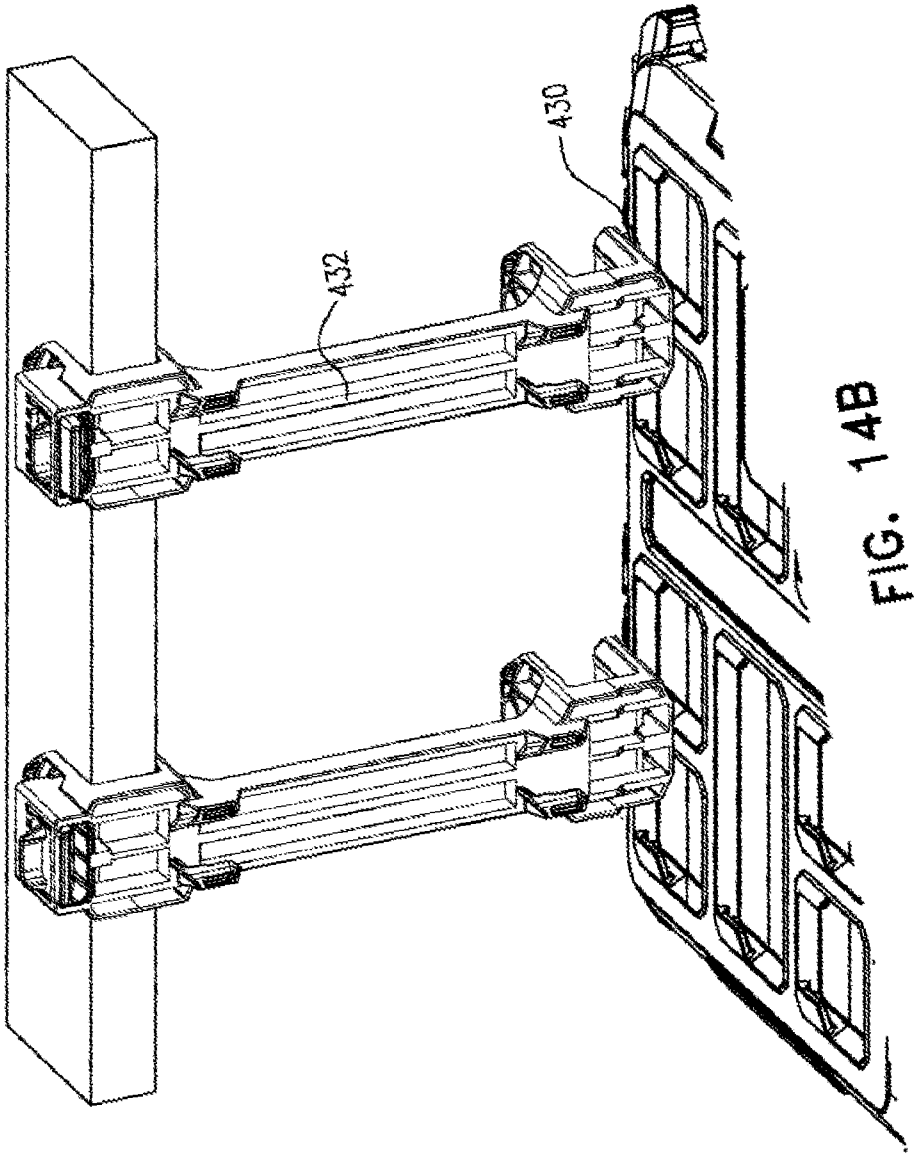


FIG. 14B

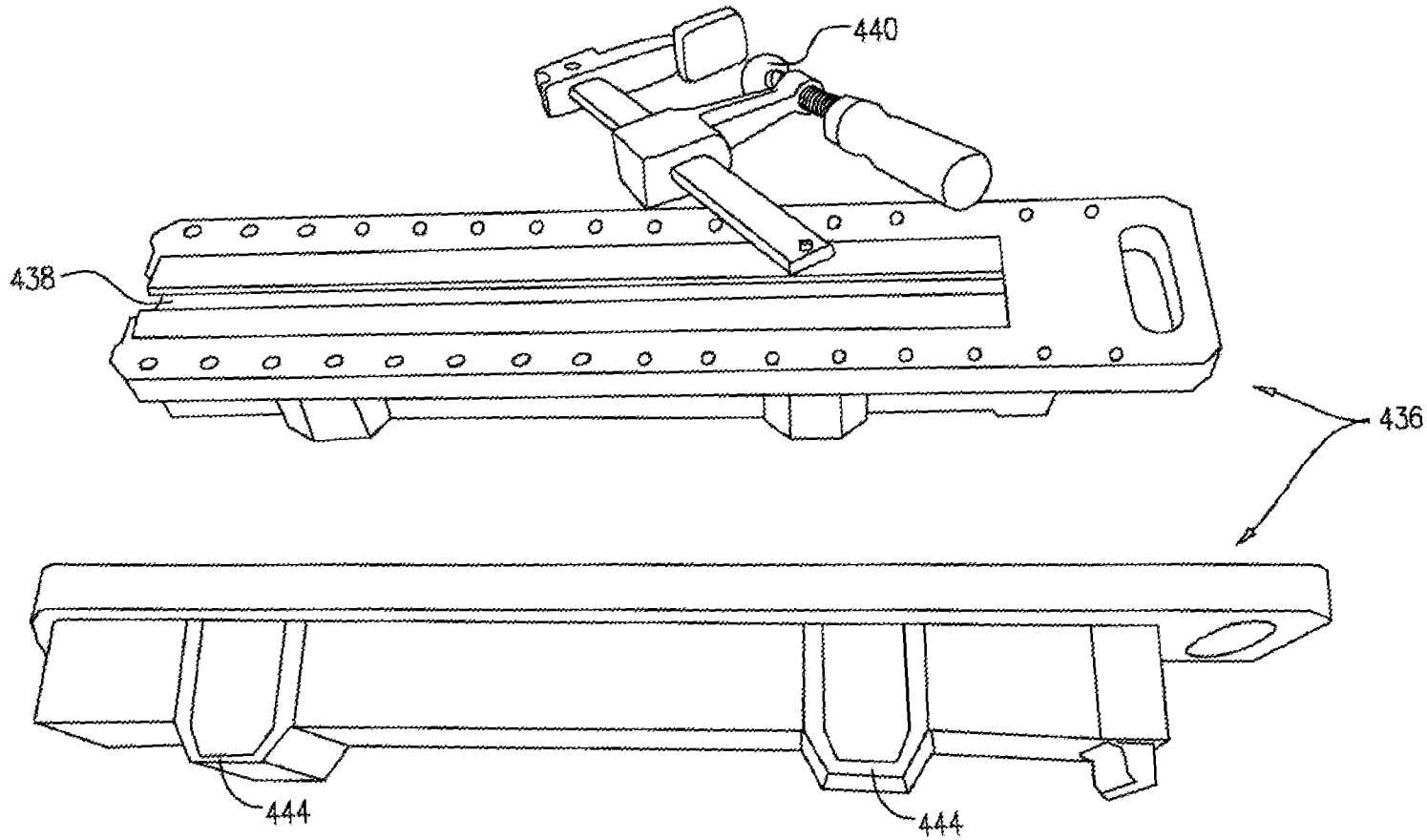


FIG. 14C

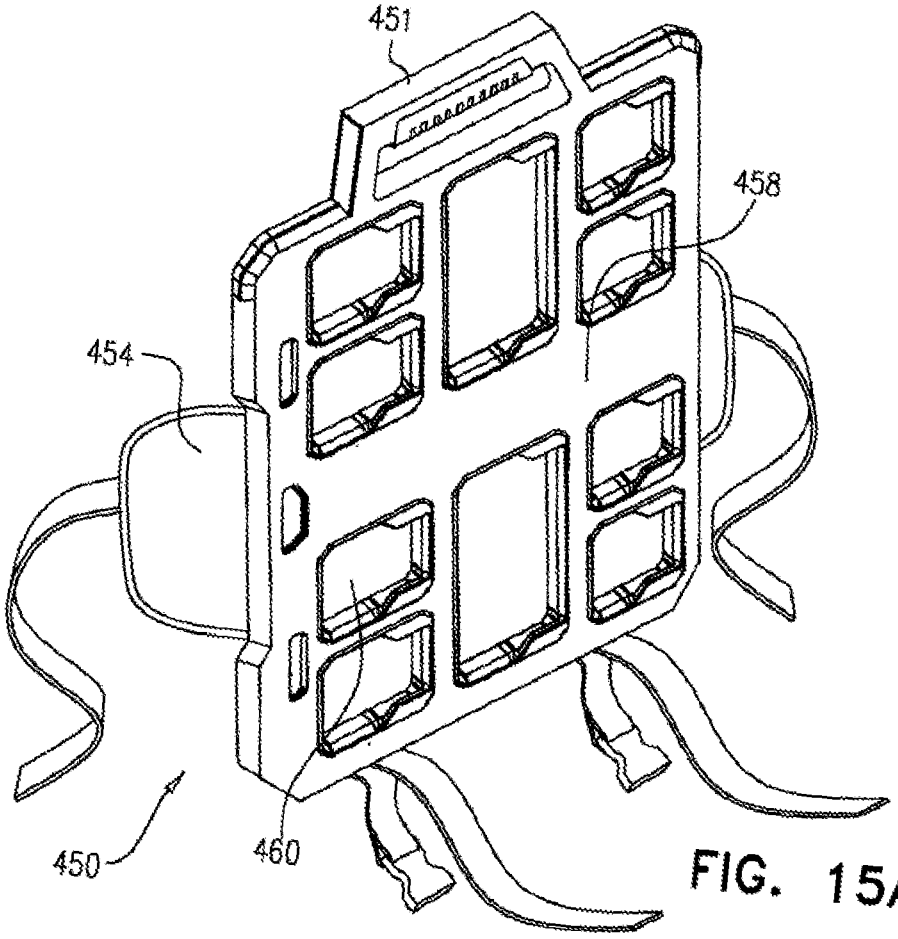


FIG. 15A

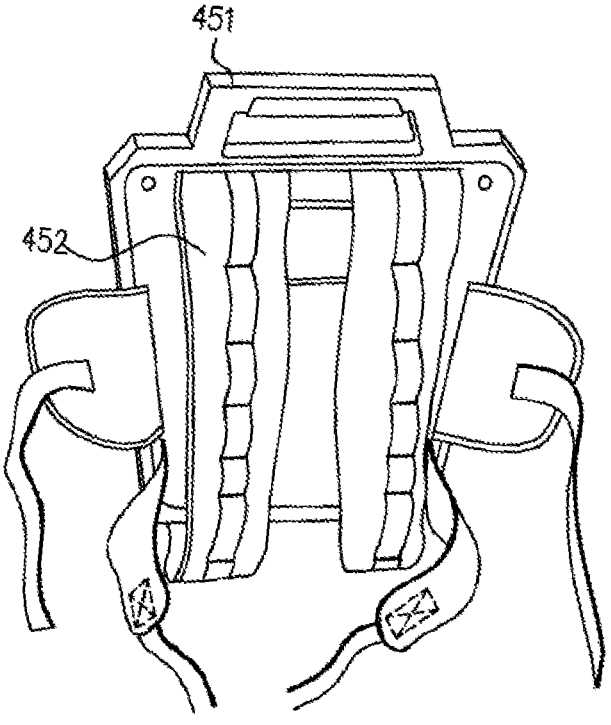


FIG. 15B

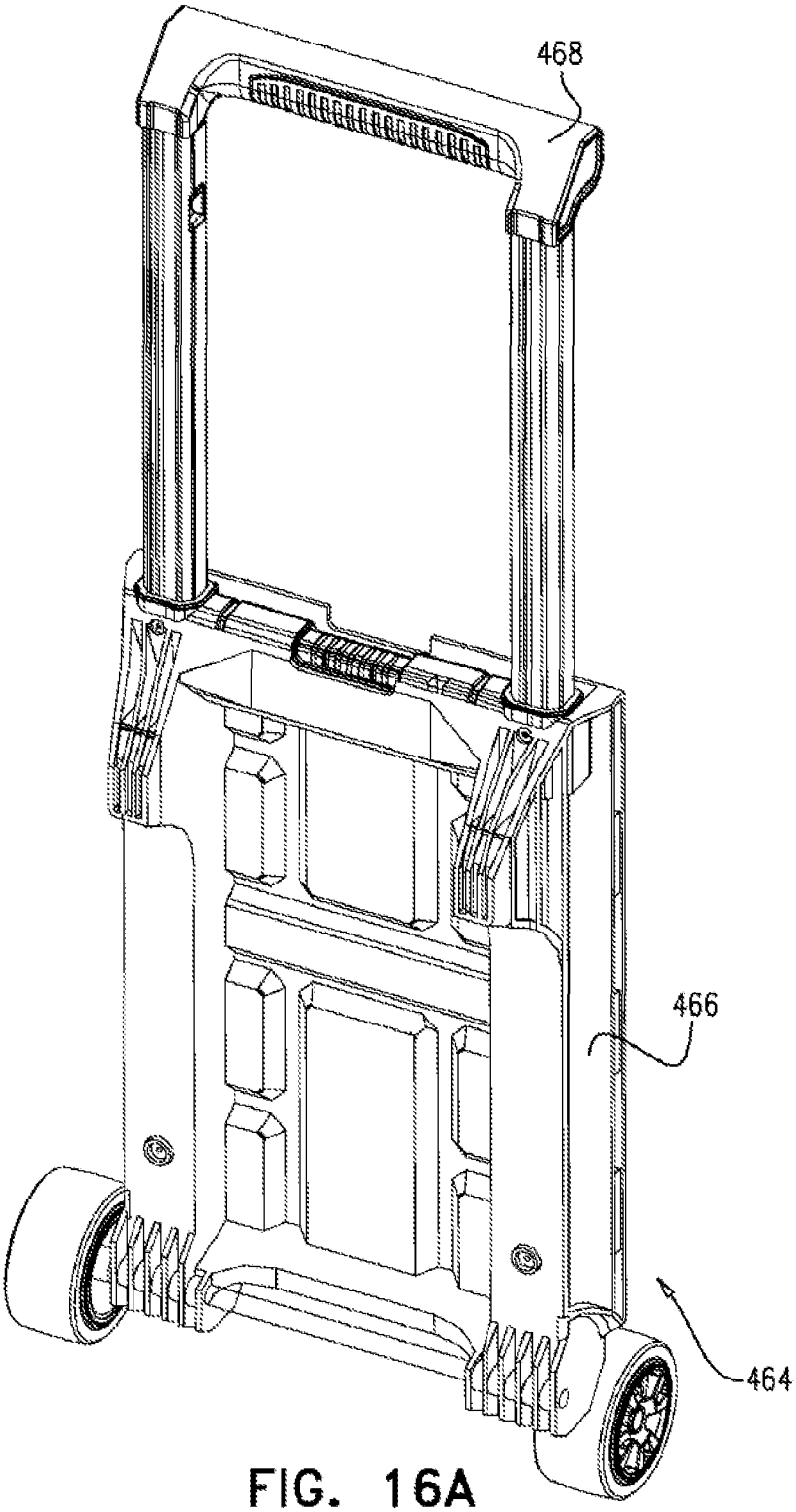


FIG. 16A

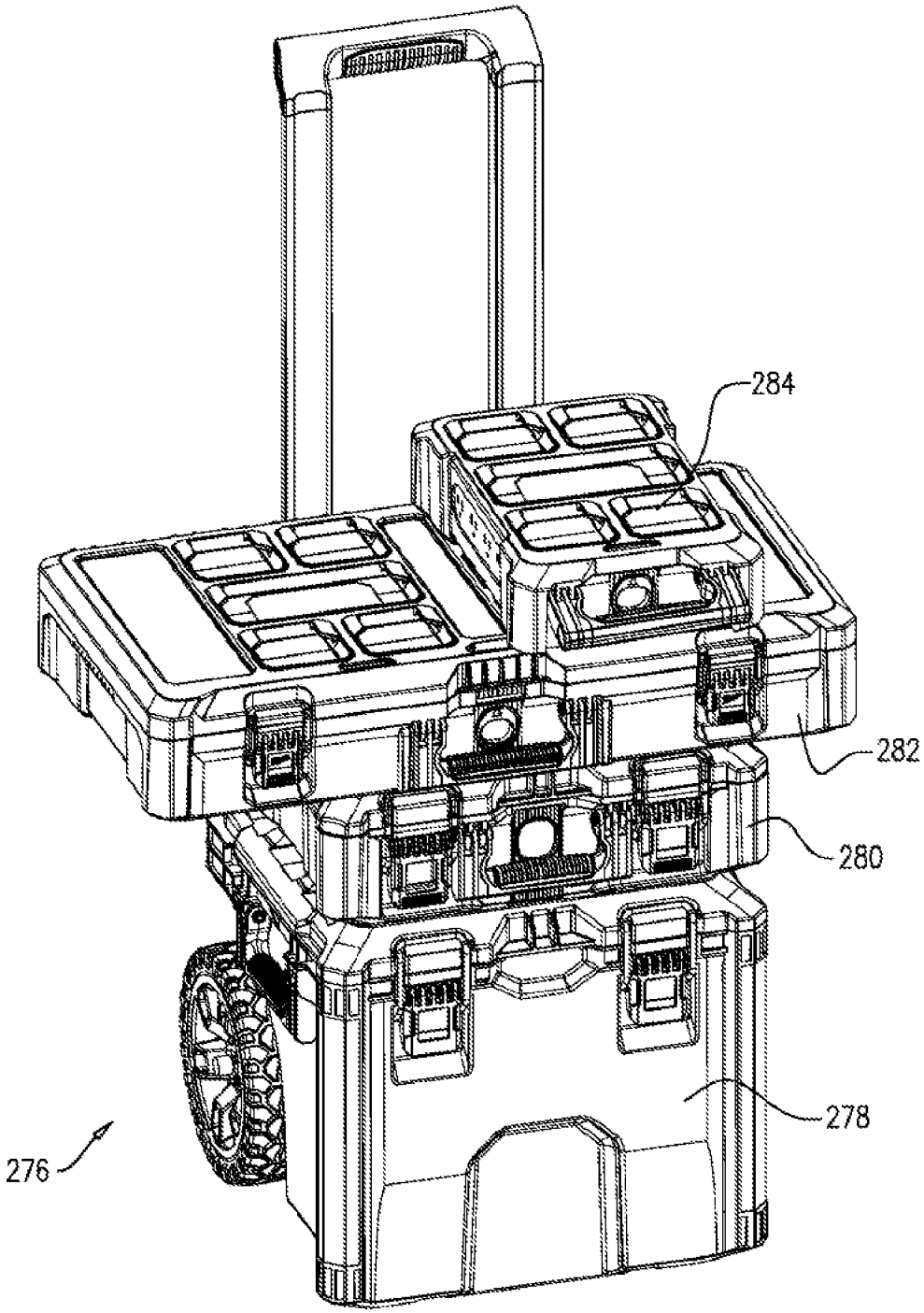


FIG. 16B

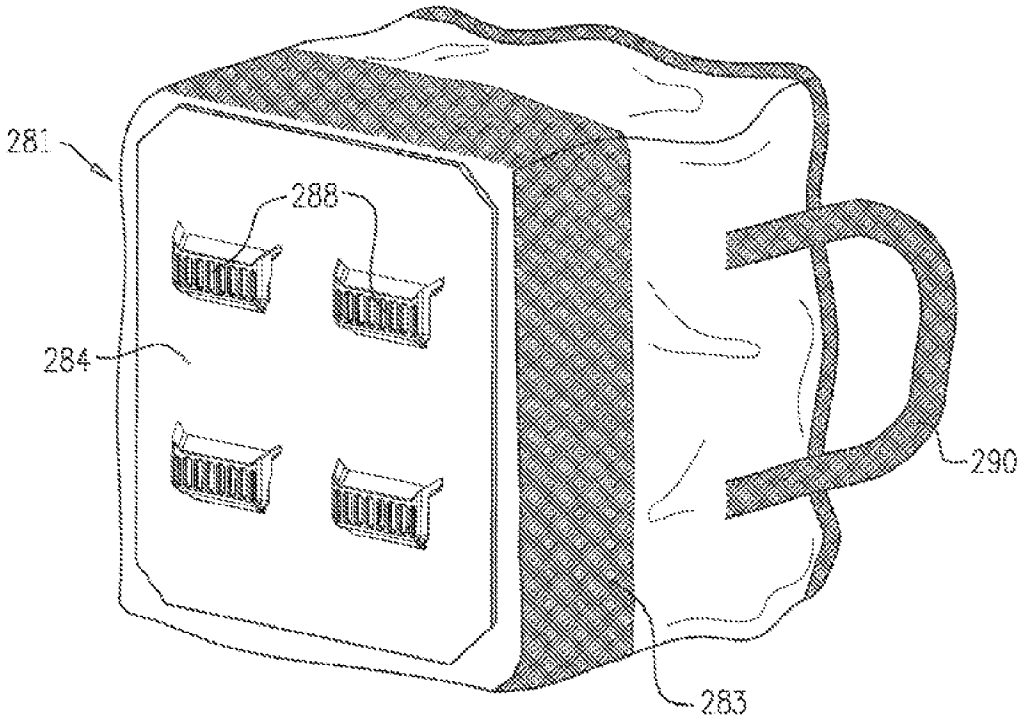


FIG. 17

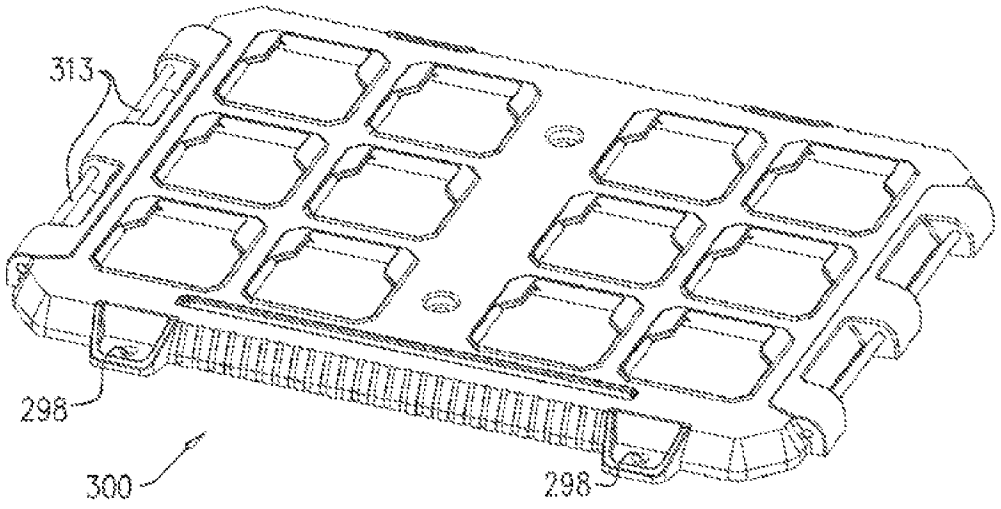


FIG. 18A

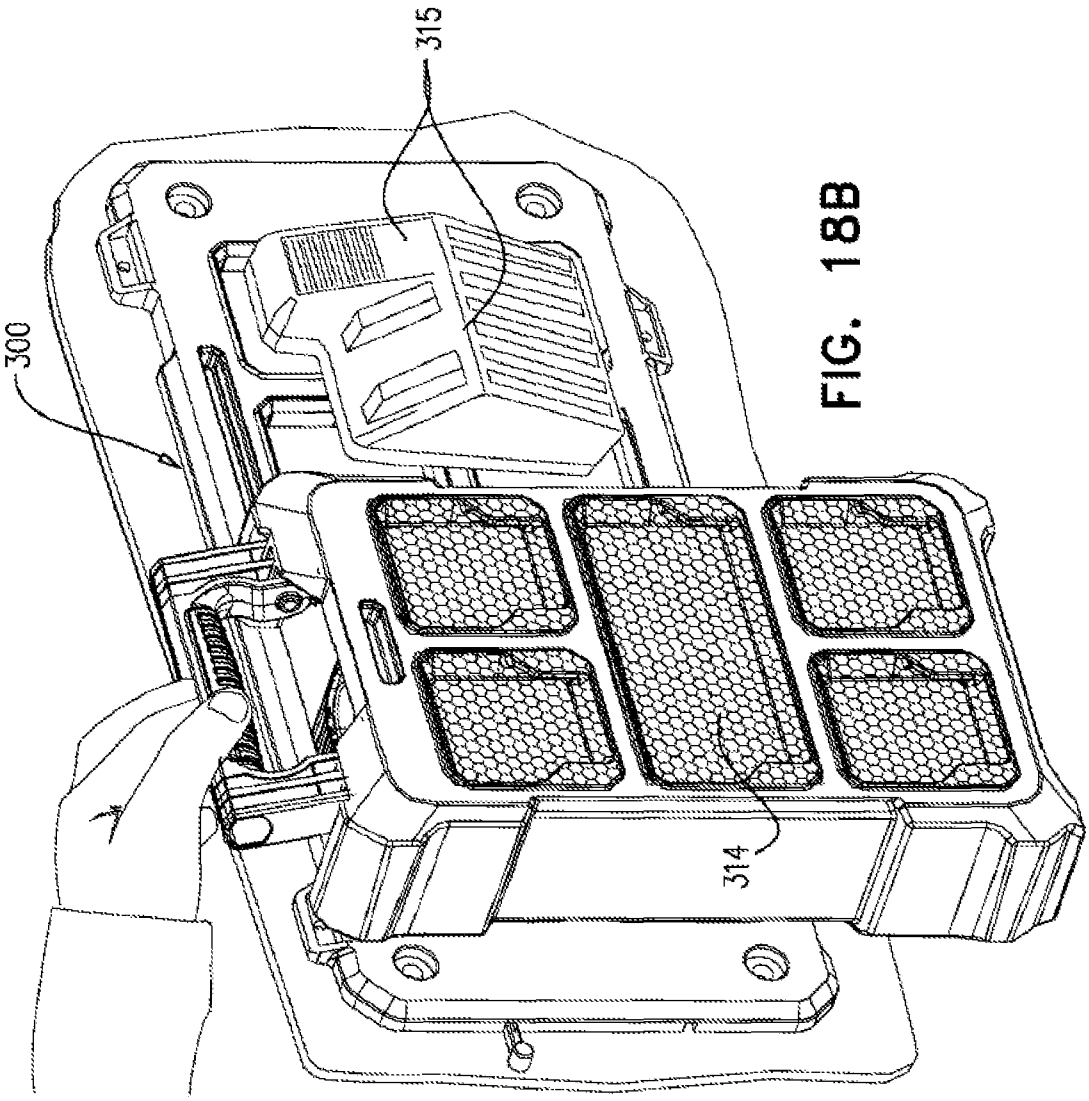


FIG. 18B

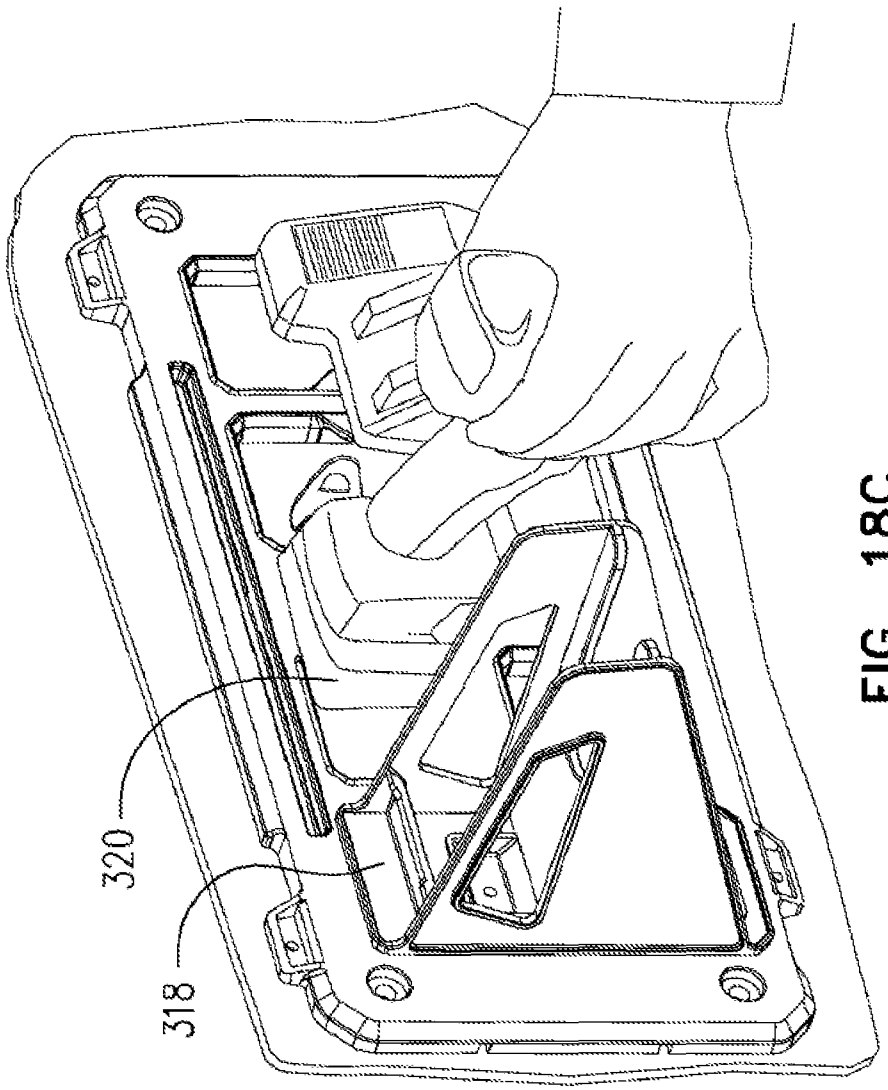


FIG. 18C

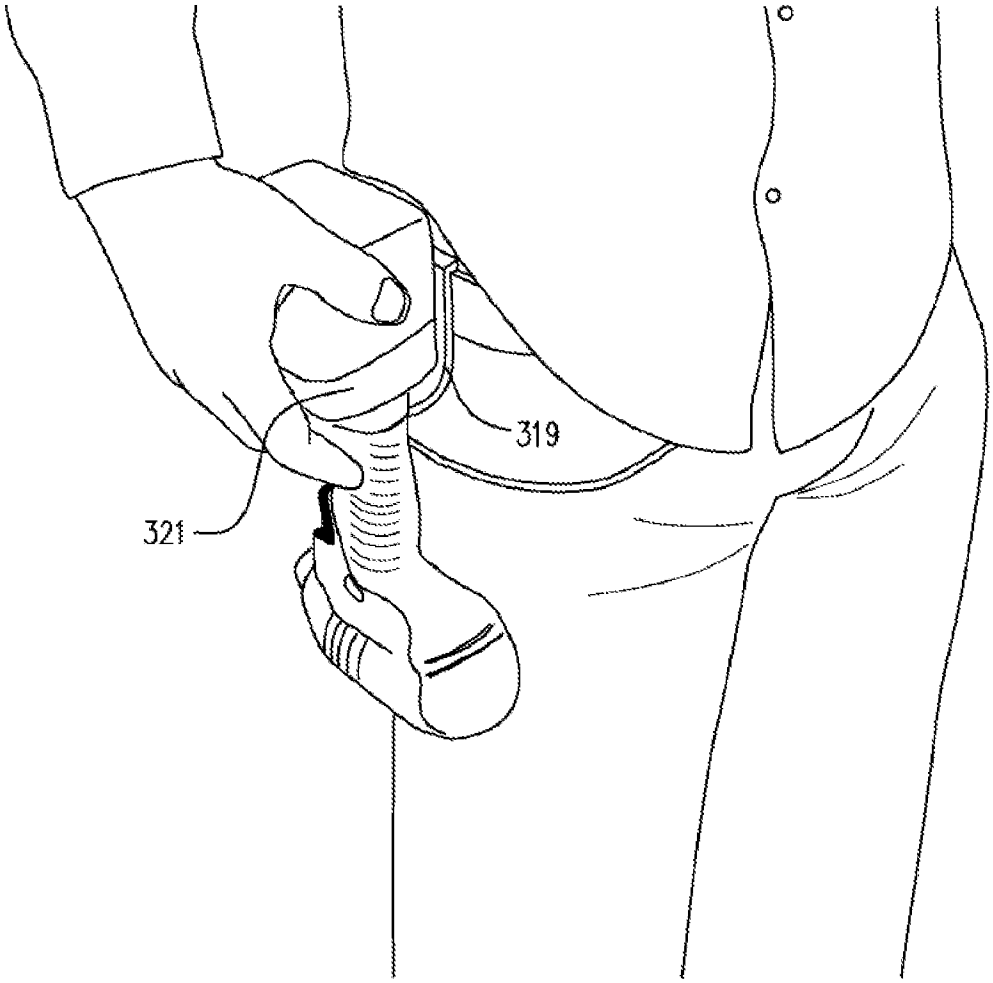
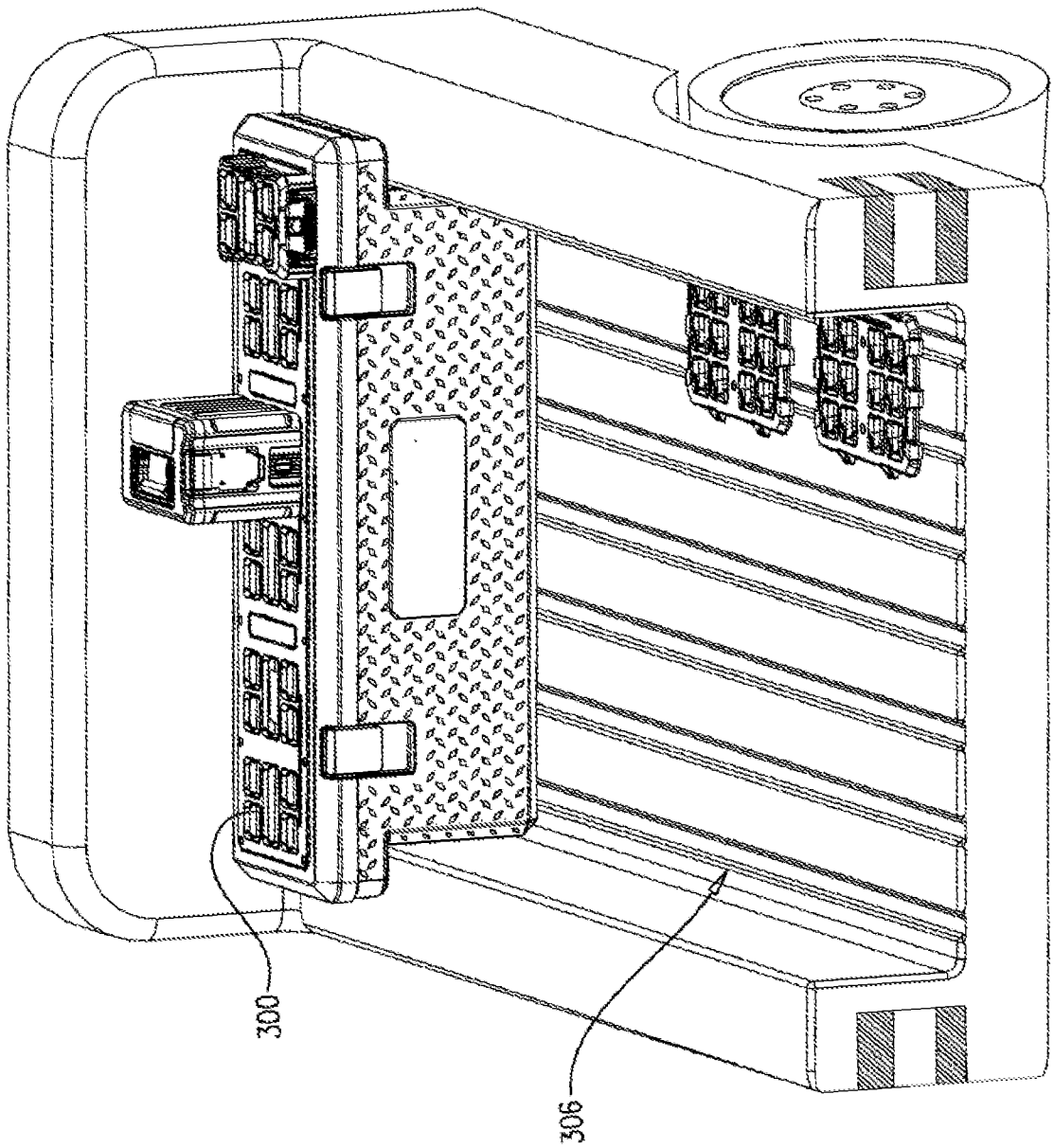


FIG. 19

FIG. 20



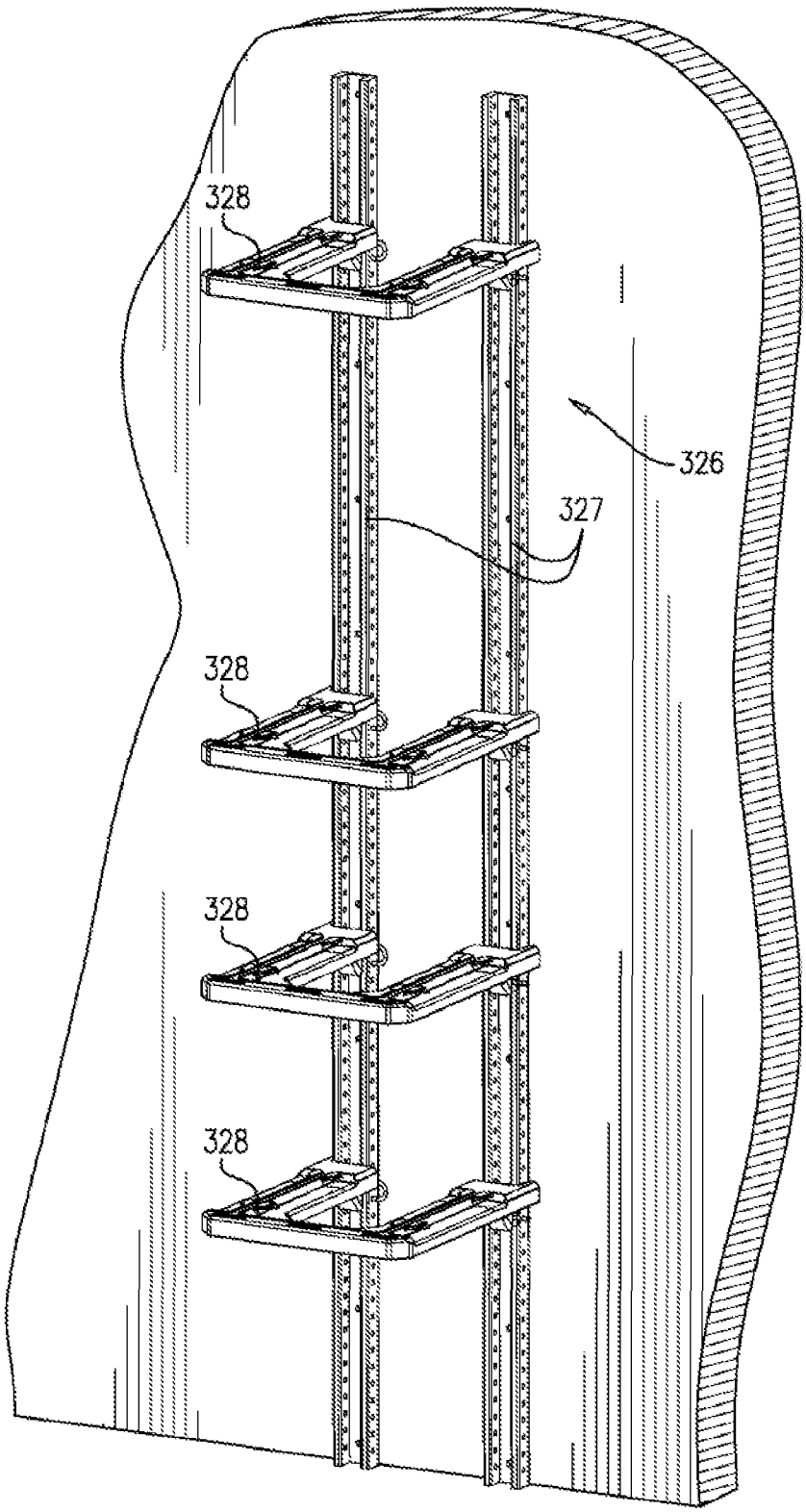


FIG. 21

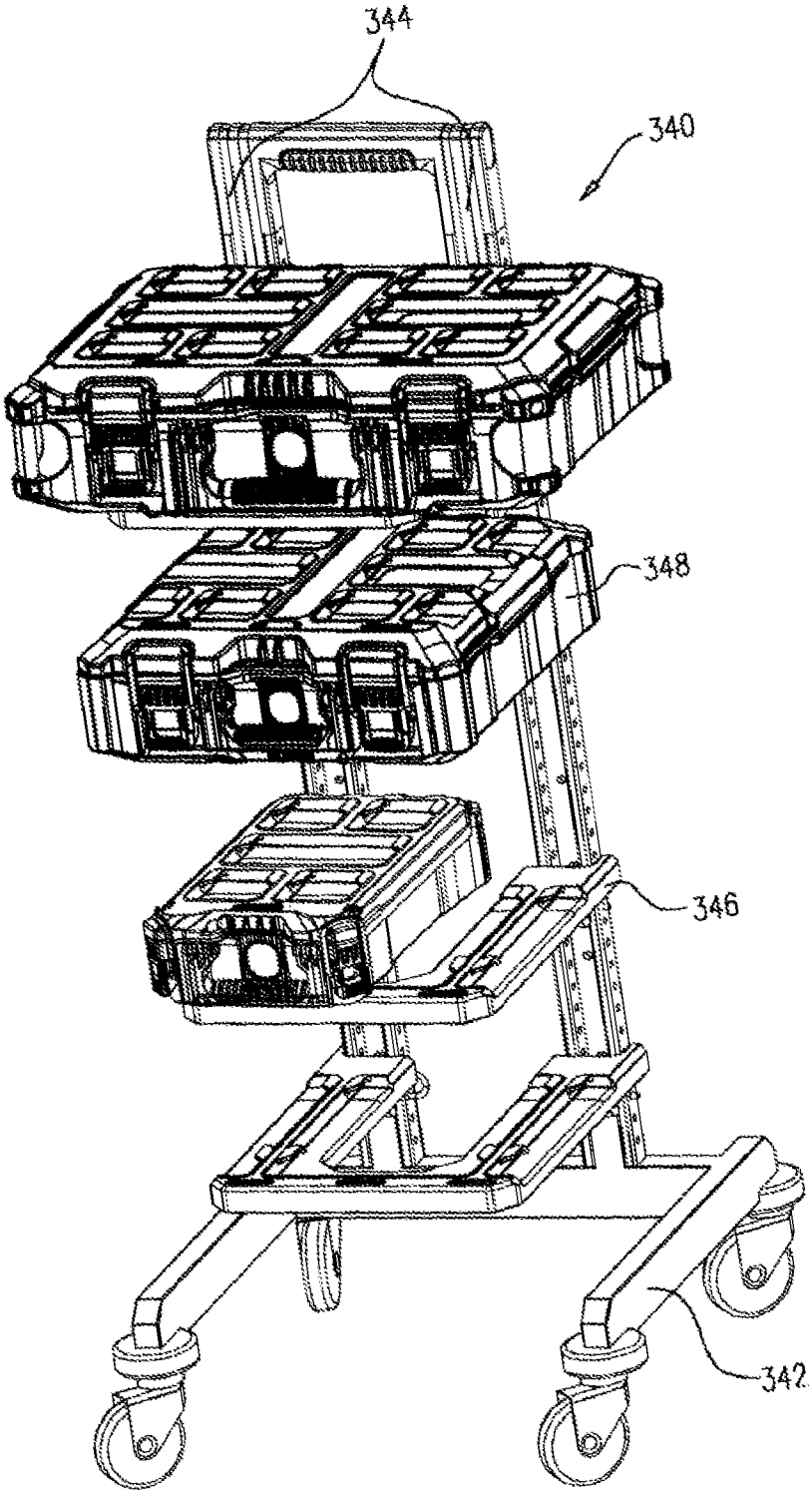


FIG. 22

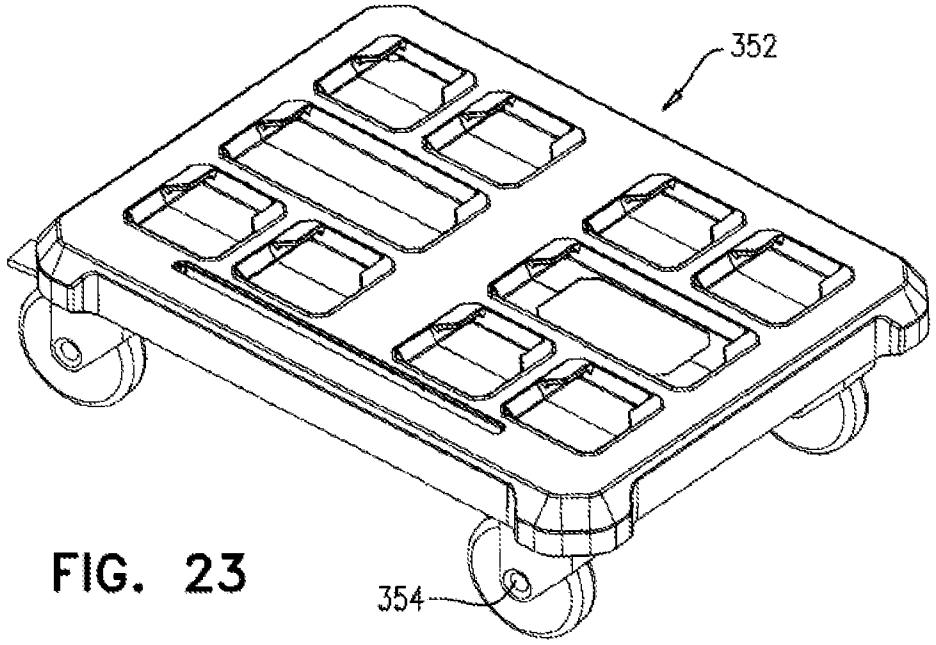


FIG. 23

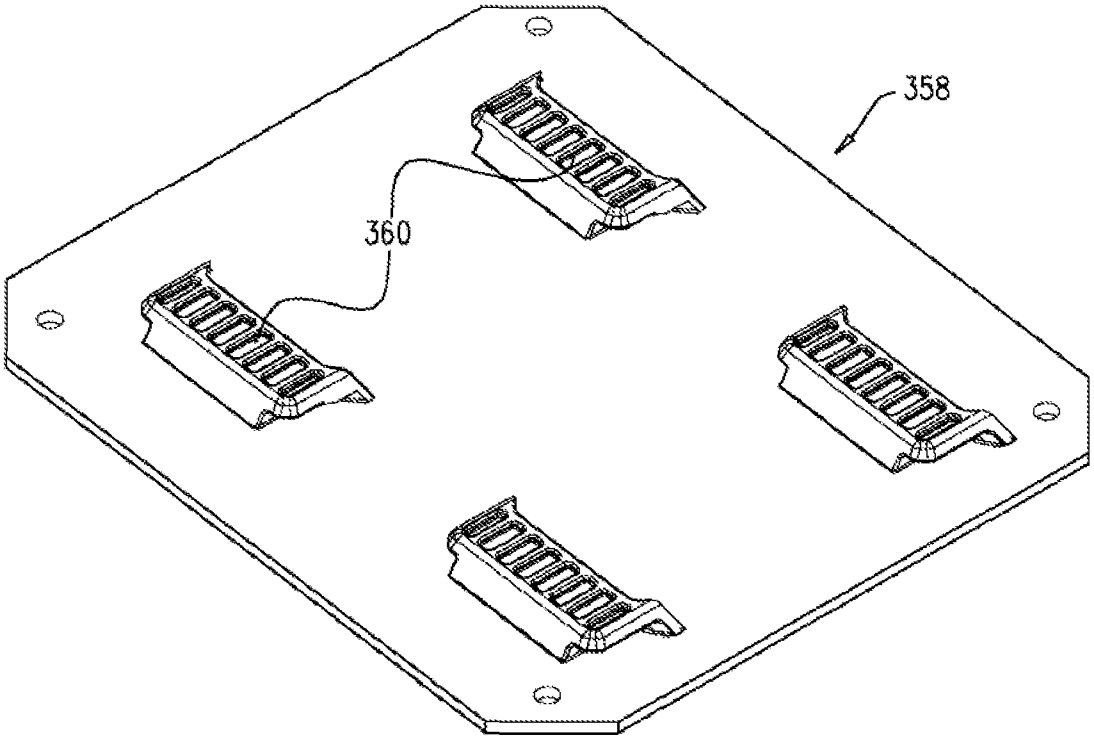


FIG. 24

Doc Code: TRACK1.REQ
Document Description: TrackOne Request

PTO/AIA/424 (04-14)

CERTIFICATION AND REQUEST FOR PRIORITIZED EXAMINATION UNDER 37 CFR 1.102(e) (Page 1 of 1)

First Named Inventor:	Yaron Brunner	Nonprovisional Application Number (if known):	To be determined
Title of Invention:	Utility Assembly and Coupling Mechanism		

APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS PRIORITIZED EXAMINATION FOR THE ABOVE-IDENTIFIED APPLICATION.

1. The processing fee set forth in 37 CFR 1.17(i)(1) and the prioritized examination fee set forth in 37 CFR 1.17(c) have been filed with the request. The publication fee requirement is met because that fee, set forth in 37 CFR 1.18(d), is currently $0. The basic filing fee, search fee, and examination fee are filed with the request or have been already been paid. I understand that any required excess claims fees or application size fee must be paid for the application.

2. I understand that the application may not contain, or be amended to contain, more than four independent claims, more than thirty total claims, or any multiple dependent claims, and that any request for an extension of time will cause an outstanding Track I request to be dismissed.

3. The applicable box is checked below:

I. ☑ Original Application (Track One) - Prioritized Examination under § 1.102(e)(1)

i. (a) The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a). This certification and request is being filed with the utility application via EFS-Web.

---OR---

(b) The application is an original nonprovisional plant application filed under 35 U.S.C. 111(a). This certification and request is being filed with the plant application in paper.

ii. An executed inventor's oath or declaration under 37 CFR 1.63 or 37 CFR 1.64 for each inventor, **or** the application data sheet meeting the conditions specified in 37 CFR 1.53(f)(3)(i) is filed with the application.

II. ☐ Request for Continued Examination - Prioritized Examination under § 1.102(e)(2)

i. A request for continued examination has been filed with, or prior to, this form.
ii. If the application is a utility application, this certification and request is being filed via EFS-Web.
iii. The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a), or is a national stage entry under 35 U.S.C. 371.
iv. This certification and request is being filed prior to the mailing of a first Office action responsive to the request for continued examination.
v. No prior request for continued examination has been granted prioritized examination status under 37 CFR 1.102(e)(2).

Signature /Derek H. Campbell/	Date June 7, 2023
Name (Print/Typed) Derek H. Campbell	Practitioner Registration Number 70,608

Note: *This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required.**

☑ *Total of 1 forms are submitted.

Privacy Act Statement

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

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

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

UNITED STATES
PATENT AND TRADEMARK OFFICE

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

ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/330,972	06/07/2023 05:51:39 PM ET	066749-3925

Title of Invention

Utility Assembly and Coupling Mechanism

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6782	FILED BY	Sarah Sesterhenn-Lee
PATENT CENTER #	62226367	AUTHORIZED BY	Derek Campbell
CUSTOMER #	142078	FILING DATE	-
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Yaron Brunner

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
DA / 180882	E202367H52196795	Sarah Sesterhenn-Lee

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

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
1830	PROCESSING FEE, EXCEPT IN PROVISIONAL APPLICATIONS	140.00	1	140.00
1817	REQUEST FOR PRIORITIZED EXAMINATION	4200.00	1	4200.00
1111	UTILITY PATENT APPL. SEARCH FEE	700.00	1	700.00
1011	BASIC FILING FEE - UTILITY (PAPER FILING ALSO REQUIRES NON-	320.00	1	320.00

	ELECTRONIC FILING FEE UNDER 1.16(T))			
1311	PATENT APPL. EXAMINATION FEE	800.00	1	800.00
			TOTAL AMOUNT:	**$6,160.00**

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES
PATENT AND TRADEMARK OFFICE

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

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/330,972	**06/07/2023 05:51:39 PM ET**	**066749-3925**

Title of Invention

Utility Assembly and Coupling Mechanism

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6782	FILED BY	Sarah Sesterhenn-Lee
PATENT CENTER #	62226367	FILING DATE	-
CUSTOMER #	142078	FIRST NAMED INVENTOR	Yaron Brunner
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Derek Campbell

Documents

TOTAL DOCUMENTS: 13

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
066749-3925-Continuing_Application_Transmittal.pdf	2	Transmittal of New Application	86 KB
066749-3925-Application_Data_Sheet.pdf	7	Application Data Sheet	118 KB
Warning: This is not a USPTO supplied ADS fillable form. Data in the form cannot be automatically loaded to other USPTO systems.			
RBVD 066749-3925_CON_App-APP.TEXT.docx	42	Application body structured text document	56 KB

Warning: All artifacts (SmartArt, Drawings, Charts, etc) have been replaced with images.

Preliminary_Amendment_RBVD_066749-3925.pdf		7	-	106 KB
Preliminary_Amendment_RBVD_066749-3925-A.PE.pdf	(1-1)	1	Preliminary Amendment	92 KB
Preliminary_Amendment_RBVD_066749-3925-CLM.pdf	(2-6)	5	Claims	80 KB
Preliminary_Amendment_RBVD_066749-3925-REM.pdf	(7-7)	1	Applicant Arguments/Remarks Made in an Amendment	73 KB
066749-3925_Figures.pdf		48	Drawings-only black and white line drawings	5020 KB
066749-3925_PoA.pdf		2	Power of Attorney	774 KB
066749-3925_Declaration.pdf		7	Oath or Declaration filed	1438 KB
066749-3925-IDS_Transmittal.pdf		2	Transmittal Letter	109 KB
066749-3925-SB08.pdf		22	Information Disclosure Statement (IDS) Form (SB08)	297 KB

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

066749-3925-TrackOne_Request.pdf		2	Track One Request	123 KB
RBVD_066749-3925_CON_App.pdf		42	Auxiliary PDF of Application	179 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
066749-3925-Continuing_Application_Transmittal.pdf	2D75FED52B61124891917343661 9AE80AAC4E44769293FCDD8AE0B74C3DA92DD08248CE9D25CF8E477D72AB163196A68E34B1033358C8DAEC859AAC168795B07
066749-3925-Application_Data_Sheet.pdf	FAF1BDD964BD358CB185F7811093AA046F7EFD2668B8686247C35C0A5E9D52A5736525D8BA0B62C1FBD12FE42260EF12BB1AC618A2F3FC93BAA04CF9DD8EF9D6
RBVD 066749-3925_CON_App-APP.TEXT.docx	6C43F4D3ED7CD7A02B90F62E428DE32281B4C02E475B21BE9549E1A8FF1DC7EF46B2166575492F91F0CBD7B52EE09BDF570897E3F88C5E46E0480F0B0096BCB3
Preliminary_Amendment_RBVD_066749-3925.pdf	E3A25D1D68ECC8E9E23ED1DA9597588DC0B791775498E3DFE6F172E8560175461 0CD86A006BA6461DA03404BF444DE1D12257D7B3EACB643DDD784E034BD870C
Preliminary_Amendment_RBVD_066749-3925-A.PE.pdf	F6CBF1C38E9C147B172309E9BAA076B5E70847DE0CBC0AD7C200C107B32B39310EFF76D5716AA75D3FC20643029 9D83A26155BDFF14B23CDCD0120247F65A2B0
Preliminary_Amendment_RBVD_066749-3925-CLM.pdf	19FC4C78D9327845C5DC08455138A7F98219DBDCA8B192E297C905ADD3E83C2E6BECA7AE08D92C7BD49F2820B9950B6D7AD6C2577859F898E9B25A4E64A8FD97
Preliminary_Amendment_RBVD_066749-3925-REM.pdf	1F411D1231E3CAADB25974857ECD9F9215E5E6587F00DFD5414DCD3D91E53C0FAF286F2E5B65132813624F0EF83DD51EF6045C2FE69635114207AC164C880641
066749-3925_Figures.pdf	E22DE8E5F2132E32BC107707BE6FB1549458DEE2702F6E087DD161A9FEA561CF7AB7EBE15F8A7480811B87157F6FA12E0713AA12F1089919E9BE5B20B8133497
066749-3925_PoA.pdf	296D532B7D76CBF6B0BA1961C214ACE73429EFE5857F5689C37AAFA8BA2BAFE630EDE3CAA617414C6C6A2AAF820BF7AC4113DAE5BC68BED86069AB5104361F4F

066749-3925_Declaration.pdf	D7A26E5E3887C1E073F8404B2E77DE3DE2B2B1AFE3D9DF4A69E09988992CDC1E41FC6EF4D7D955EA16B791318D4253C2D7A325D13BDBBD36BA0F233FD8035D49
066749-3925-IDS_Transmittal.pdf	5D45B264CE4DA94CB962B497EE82C583DD39F549BABA570A3F2E9222F29C6279E4087F94DA2110B6254482C225839A75123CFBAAA4544F3689591B1F1AEBF097
066749-3925-SB08.pdf	51366343B977793DBC73798F479C903FCF473F9A6F8A8EAAD6860203D102F3284A635FC0269BCAD43AC20B520B05F292AE790AE6E36F7AB534B1D0B2A10C0122
066749-3925-TrackOne_Request.pdf	F528D9C67E98708304 4A0DD710B148C509512DF699D4C6BB51FFA100A69DB23E98A604ACD24A973A7AC4D838969D17F7FAACDFF447DB6B7D26357EE653B4AEBE
RBVD_066749-3925_CON_App.pdf	A8716BFD382B373F05CE055ABACD6DD816C4168157E3D9E85603E7D656FD26585412DE4F85396F39F61D52FF2AEE7040E1A4462A86062E5215B1A6911CD11E7

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

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

PTO/AIA/82A (07-13)
Approved for use through 03/31/2021. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

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

Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Title	Utility Assembly and Coupling Mechanism
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

SIGNATURE of Applicant or Patent Practitioner

Signature	/Derek H. Campbell/	Date (Optional)	June 7, 2023
Name	Derek H. Campbell	Registration Number	70,608
Title (if Applicant is a juristic entity)	Attorney for Applicant		
Applicant Name (if Applicant is a juristic entity)	Milwaukee Electric Tool Corporation		

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

☑ *Total of 1 forms are submitted.

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

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

PTO/AIA/82 (07-17)
Approved for use through 03/31/2021. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(c).

I hereby appoint:

[X] Practitioners associated with Customer Number: 142078

OR

[ ] Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

As attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(c).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(c) to:

[X] The address associated with Customer Number: 142078

OR

[ ]

Firm or individual name		
Address		
City	State	Zip
Country		
Telephone	Email	

Assignee name and address: Milwaukee Electric Tool Corporation
13135 West Lisbon Road
Brookfield, Wisconsin 53005

A copy of this form, together with a statement under 37 CFR 3.73(c) (Form PTO/AIA/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(c) may be completed by one of the practitioners appointed in this form, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee.

Signature Christine Delisle	Date 4/1/2023
Name Christine Delisle	Telephone
Title CFO, Vice President	

This collection of information is required by 37 CFR 1.31, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public, which is to update (and by the USPTO to process) the file of a patent or reexamination proceeding. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 18 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.

U.S. PATENT APPLICATION

for

UTILITY ASSEMBLY AND COUPLING MECHANISM

Inventors: Yaron Brunner
Grant T. Squiers
Christopher S. Hoppe
Steven W. Hyma

UTILITY ASSEMBLY AND COUPLING MECHANISM

CROSS-REFERENCE TO RELATED PATENT APPLICATIONS

[0001] This application is a continuation of U.S. Application No. 18/051,749, filed November 1, 2022, which is a continuation of U.S. Application No. 17/884,230, filed August 9, 2022, which is a continuation of U.S. Application No. 17/064,371, filed October 6, 2020, now U.S. Patent No. 11,427,382, which is a continuation of U.S. Application No. 16/752,441, filed January 24, 2020, now U.S. Patent No. 11,008,136, which is a continuation of U.S. Application No. 16/216,724, filed December 11, 2018, now U.S. Patent No. 10,583,962, which is a continuation of U.S. Application No. 15/826,232, filed November 29, 2017, now U.S. Patent No. 10,703,534, which is a continuation of International Application No. PCT/IL2017/050481, filed April 30, 2017, which claims priority to U.S. Provisional Application No. 62/459,076, filed February 15, 2017 and to U.S. Provisional Application No. 62/330,334, filed May 2, 2016, each of which are incorporated herein by reference in their entireties.

TECHNOLOGICAL FIELD

[0002] The present disclosure is directed to a container assembly and more specifically to a utility assembly comprising two or more detachably attachable utility modules. The disclosure is further concerned with a coupling mechanism facilitating detachably attaching the utility modules to one another.

[0003] The term 'utility module' is used hereinafter in its broad meaning and is meant to denote a variety of articles such as, storage containers, travel luggage, tool boxes, organizers, compacted work benches, cable storage, tools (e.g. hand tools, power generators and power sources), communication modules, carrying platforms, locomotion platforms, etc., of any shape and size, and wherein any utility module can be detachably attached to any other utility module.

[0004] The term 'utility assembly' as used herein denotes any set of utility modules configured for articulation to one another, either as a stationary unit or locomotive.

GENERAL DESCRIPTION

[0005] A first aspect of the disclosure concerns a coupling mechanism configured for readily detachably attaching any first article to any second article, wherein any first article and any second article can be any utility module.

[0006] The coupling mechanism comprises a male coupler at a face of one of the first utility module and the second utility module, and a female coupler at a face of the other one of the first utility module and the second utility module, said female coupler has a depressed locking location configured with at least one locking rib extending above a depressed surface and along a sliding path, and having an open edge facing in a first sense; said male coupler has a projecting locking location disposed in register with said depressed locking location and configured with at least one locking tongue extending along said engaging sliding path at a second sense, opposite to said first sense, and configured for arresting engagement at a space between said locking rib and depressed surface, the coupling mechanism further comprises at least one locking member for arresting the first utility module with respect to said second utility module and preventing sliding displacement along said sliding path.

[0007] The arrangement is such that at a locked position of a utility assembly the at least one locking tongue of the male coupler engages below said at least one locking rib of the female coupler and the at least one locking member is engaged, thus preventing any respective displacement between the first utility module and the second utility module, and retaining the coupling mechanism at an engaged and locked position.

[0008] The term 'first utility module' as used herein denotes any utility module bearing at least one second utility module over a first surface thereof. The second utility module of a utility assembly may comprise three or more stages of utility modules, and functions as first utility module with respect to a third stage utility module mounted thereover and serving in turn as a second utility module.

[0009] According to certain embodiments, one or more female couplers are configured at the top face of the first utility module, and one or more male couplers are configured at the bottom face of the second utility module

[0010] The disclosed subject-matter is directed to a utility module configured with at least one of a male coupling mechanism and a female coupling mechanism of the disclosure, a module assembly comprising one or more utility modules of the aforementioned type and a set of utility modules of the aforementioned type.

[0011] According to a configuration of the first aspect, there is provide a utility assembly comprising at least a first utility module and at least a second utility module, and comprising a coupling mechanism configured between the first utility module and the second utility module; said coupling mechanism comprising at one of a top face of the first utility module and a bottom face of the second utility module one or more depressed locking locations each configured with a locking rib, and at least one locking latch arresting location; and the other one of said top face of the first utility module and a bottom face of the second utility module comprises one or more projecting portions each configured with a locking tongue disposed in register with said one or more depressed locking locations, and at least one locking latch disposed in register with said at least one locking latch arresting location.

[0012] The arrangement is such that, at a locked position, the bottom face of the second utility module at least partially rests over the top face of the first utility module, and the one or more projecting tongues are arrested by the corresponding one or more locking ribs, and the at least one locking latch is arrested by corresponding at least one locking latch arresting location, thereby preventing sliding displacement between the first utility module and the second utility module, and further wherein disengaging the second utility module from the first utility module is facilitated by disengaging the at least one locking latch from the at least one locking latch arresting location.

[0013] Locking engagement between the second utility module and the first utility module is obtained when the one or more depressed locking locations and the one or more projecting portions are disposed behind one another (though not necessarily aligned).

[0014] According to a particular configuration of the coupling mechanism, the one or more depressed locking locations and the one or more locking latch arresting locations are configured at the top face of the first utility module, and the one or more projecting portions and the at least one locking latch are configured at the bottom face of the second utility module. According to

this configuration, locking between the first utility module and the second utility module is obtained by positioning the second utility module over the second utility module such that one or more locking tongues of the projecting portions engages with one or more respective locking ribs of the depressed locking locations, and wherein the locking latch interlocks with the respective locking latch arresting location.

[0015] The arrangement being such that the attaching engagement between the second utility module and the first utility module takes place when the one or more locking tongues and the corresponding one or more respective locking ribs are engaged, thereby preventing vertical separation between the utility modules (i.e. preventing lifting of the second utility module of the first utility module), and further when the locking latch is arrested by the respective locking latch arresting location, thereby preventing sliding displacement of the utility modules one with respect to the other (i.e. sliding displacement of the second module over the first module).

[0016] Disengaging the second utility module from the first utility module can be facilitated only after disengaging the locking latch from said locking latch arresting location.

[0017] According to a second aspect of the disclosure there is disclosed a coupling mechanism for a utility assembly comprising at least a first utility module and at least a second utility module, said coupling mechanism is configured between the first utility module and the second utility module and comprises at one of a top face of the first utility module and a bottom face of the second utility module with at least one depressed locking location configured with a locking rib, and at least one locking latch arresting location; and the other one of said top face of the first utility module and a bottom face of the second utility module comprises at least one projecting portion with a locking tongue disposed in register with said at least one depressed locking location, and at least one locking latch disposed in register with said at least one locking latch arresting location; and wherein at a locked position the bottom face at least partially rests over the top face, and the at least one projecting tongue is arrested by the corresponding at least one locking rib and the at least one locking latch is arrested by corresponding at least one locking latch arresting location, and further wherein disengaging the second utility module from the first utility module is facilitated by disengaging the at least one locking latch from the at least one locking latch arresting location.

[0018] Engaging the first and second utility modules into the locked position is provided by sliding the second utility module with respect to the first utility module along a sliding path defined by at least one of said at least one locking rib and said at least one locking tongue.

[0019] According to one particular configuration the at least one locking rib extends substantially parallel to the sliding path and according to another configuration the at least one locking rib extends substantially perpendicular and intersects the sliding path. A third aspect of the present disclosure is directed to a utility module being a mobile carrier unit and comprising at least one carrier engagement surface, compatible for interlocking engagement in a detachable manner with a first engagement surface of a utility module.

[0020] The term carrier unit as used herein denotes any kind of propelled cart configured for detachably attaching and carrying load. The carrier unit may be a hand cart, a mobile tool cart, a mobile workshop, traveling luggage cart, a trolley, etc.

[0021] With particular reference to the third aspect, the carrier engagement surface can be larger than the utility module's first engagement surface corresponding with it. In this case, several utility modules may be interlocked simultaneously upon one carrier unit. According to one configuration there is disclosed a carrier unit comprising a manipulating arrangement, a locomotion system, and an engagement surface comprising one or more engaging elements. The carrier unit is designated for detachable interlocking engagement with one or more utility modules, each comprising a first engagement surface configured with one or more first engaging elements compatible for detachable interlocking engagement with the carrier engaging elements.

[0022] According to yet configuration there is disclosed an assembly comprising a carrier unit comprising an engagement surface comprising one or more engaging elements, and at least one utility module configured with at least one first engagement surface comprising one or more first engaging elements compatible for detachable interlocking engagement with the carrier unit's engaging elements.

[0023] According to a modification of this aspect, there is also provided a container unit comprising a top member configured with a second engagement surface of the utility module, said top member, according to one example constitutes a cover of the utility module.

[0024] The arrangement is such that a container unit can be readily and easily applied over and interlockingly articulated to a carrier unit, or over a utility module configured with a second engagement surface mimicking the first engagement surface second engagement surface mimicking the first engagement surface of the carrier unit.

[0025] Engagement between the carrier unit and the container, and further between two containers, is facilitated by any locking mechanism of the disclosure hereinabove and hereinafter.

[0026] According to a specific example, there is a latching mechanism, wherein the first engaging elements of the carrier unit are configured for interlocking engagement with engaging elements of the mating surface of the respective utility module. The latching mechanism may assume various configurations, e.g. male-female couplings, dovetail couplings, and the like. The arrangement being such that only a minor displacement is required in order to lockingly mount, and respectively detach, a utility module over the carrier unit.

[0027] According to one specific configuration, the detachable interlocking engagement mechanism between the carrier engaging elements and the utility module's first engaging elements is a dovetail engagement mechanism, comprising laterally projecting shoulders configured on one of the carrier engagement surfaces and the first engagement surface of a utility module, and a shoulder receiving recess configured on the other one of one of the carrier engagement surfaces and the first engagement surface of a utility module; where said laterally projecting shoulders are configured for sliding engagement with said shoulder receiving recess.

[0028] According to a particular configuration, one or both of the carrier engagement surfaces and the first engagement surface of a respective utility module are configured with depressions, each accommodating respective laterally projecting locking shoulders. Said dovetail engagement mechanism members constitute said engaging elements, wherein said carrier engaging elements comprise one of said dovetail engagement members, while the utility module's first engaging element comprises the respective said dovetail engagement member.

[0029] According to another configuration, the detachable interlocking engagement mechanism between the carrier engaging elements and the utility module's first engaging

elements is an undercut engagement mechanism, comprising lateral projections configured on one of the carrier engagement surfaces and the first engagement surface of a container unit, and a receiving recess configured on the other one of one of the carrier engagement surfaces and the first engagement surface of a utility module; where said lateral projections are configured for engagement with said receiving recess.

[0030] Interlocking engagement of the utility module and the carrier unit takes place by placing the first engagement surface of a utility module over the carrier engagement surface, such that the utility module's first engaging elements are disposed shifted over the respective carrier engaging elements of the carrier unit, and are then slidingly shifted to obtain sliding interlocking engagement therebetween.

[0031] The detachable interlocking engagement mechanism may further comprise a locking mechanism configured for preventing unintentional detaching of the slidingly engaging elements once they are fully interlocked, i.e. to prevent detaching of the utility module from the carrier unit or from another utility module.

[0032] According to one configuration, the locking mechanism, comprises a locking pin that is configured for snapingly protruding from one of the engagement surfaces into a designated nook on the other engagement surface. This prevents the engaging surfaces from sliding relatively to each other, and by that it prevents said engaging elements from being slidingly separated once interlocked.

[0033] According to one configuration, the carrier engagement surface of the carrier unit constitutes a top wall of the carrier unit, when the carrier unit is balanced horizontally to the ground, and wherein the utility module's first engagement surface constitutes a bottom wall of the container unit, when the utility module is balanced horizontally to the ground. The utility module can further comprise a second engagement surface constituting its top wall, or a cover, when the utility module is balanced horizontally to the ground. The second engagement surface of the utility module simulates the carrier engagement surface as it is compatible for engaging with another utility module's first engagement surface.

[0034] Any one or more of the following features, designs and configurations, can be implemented in a utility module, a utility assembly, locking mechanism, and the carrier unit and assembly according to the present disclosure, individually or in various combinations thereof:

[0035] A single locking rib can extend at rear end of a depressed locking location (i.e. the female coupler may comprise a single locking rib) and substantially perpendicular to the sliding path;

[0036] Two locking ribs can extend at side edges of a depressed locking location (i.e. the female coupler may comprise two locking ribs) and disposed substantially parallel to the sliding path;

[0037] Two locking ribs can each extend at a respective side edge of two neighboring depressed locking locations, said locking ribs disposed substantially parallel to the sliding path;

[0038] The utility assembly can be modular wherein a top face of a first utility module can interlock with a bottom face of a second utility module disposed thereover in a substantially fully overlapping relation, or with a bottom face of at least one second utility module only partially overlapping therewith;

[0039] A second utility module overlapping a significant portion of a first utility module can be configured with a single release latch for displacing several locking latches articulated therewith;

[0040] Two or more second utility modules can be mounted over a first utility module, each being independently detachable attachable over the first utility module;

[0041] The at least one second utility module is configured for snap-type locking over the first utility module;

[0042] A release latch for displacing the locking latch into disengagement from the locking latch arresting location can be disposed at a front face of the respective second utility module;

[0043] The at least one locking latch and the at least one locking latch arresting location can be disposed at a front portion of the respective utility modules;

[0044] At least one of the first utility module and the second utility module are configured with a gliding surface facilitating displacement and positioning the respective second utility module at the locking position with respect to the first utility module;

[0045] The gliding surface reduces tolerances between the projecting portion and the depressed locking location receiving same;

[0046] One or both of the locking tongue and locking rib can be configured with a slanting surface at corresponding orientation, along the sliding path, for reducing or substantially elimination tolerance therebetween;

[0047] One or both of a front edge of the projecting portion and a corresponding front edge of the depressed locking location can be slanted for gliding positioning of the second utility module into true locking position over the first utility module;

[0048] The locking latch can be configured for displacement in a direction substantially normal to a respective face of a utility module;

[0049] The locking latch can be spring biased and configured for normally projecting from a face of the respective first or second utility module;

[0050] The locking latch can be manipulable to be opened through an opening configured at a front wall of the respective utility module;

[0051] Corners of the utility modules can be reinforced;

[0052] One or more of the utility modules can be a container module, and the utility assembly can be a container assembly/tool caddy;

[0053] The container module can be compartmented and can be configured with sub-containers and sub-compartments;

[0054] The top face of the container module can be configured as a lid or as a functional component of the container module;

[0055] A lid of a second container can be opened also when articulated and locked in position over a first container;

[0056] A lid of a first container can be opened also when a second container is articulated and locked in position thereabove;

[0057] At least one of the container modules can be a locomoting container and can be configured with an arrangement for locomoting said container module. Where the locomoting container is attached to other container modules it can facilitate for locomoting the utility assembly;

[0058] The container modules can be configured with carrying arrangement disposed at any one or more of its faces. According to a particular configuration, a front face of the container modules is configured with a carrying handle and according to another configuration side faces of the container modules can be configured with a carrying handle;

[0059] Examples of utility modules can be any one or more of a cooler box, a workpiece grip, a power supply (e.g. power bank, generator), hand tools, power tools, a locomotive platform (e.g. a work dolly), powered or not, a tactical unit (e.g. military gear, scientific equipment, communications equipment, personal gear, outdoor gear, etc.);

[0060] A tool caddy can be configured with a carrying handle (e.g. telescopic);

[0061] A utility module can be a soft-shell container with at least a rigid face portion configured with a male/female coupler;

[0062] The utility module can be an interface coupling module, i.e. functions only as a coupling interface;

[0063] The interface coupling module can be attached to a surface of any element or object and by different arrangements, fixedly or detachably;

[0064] The interface coupling module can be a cargo interface module for a utility vehicle, so as to attach one or more utility modules to the vehicle;

[0065] The cargo interface module can be a bed cargo module, a roof rack module, etc.;

[0066] The interface coupling module can be a surface mount for attaching utility modules, e.g. a floor mount, wall mount, wall rack, etc.;

[0067] The interface coupling module can be a tool mount/rack;

[0068] The interface coupling module can be belt mount for mounting of utility modules (e.g. a hand tool) to a workers belt;

[0069] The interface coupling module can be an interface mount module for coupling two utility modules to one another, e.g. for articulating two utility modules, both configured with a similar male coupler or a female coupler, and wherein the interface mount module is configured at both faces with another of male coupler or a female coupler;

[0070] The interface coupling module can be a back pack carrying module, for facilitating attachment and carrying of utility modules;

[0071] A top face of a utility module can be configured with a carrying handle, said carrying handle displaceable between a stowed position and a carrying position, wherein at the stowed position said carrying handle at least partially extends within a niche and does not to interfere with the coupling mechanism;

[0072] The carrier unit may include one or more auxiliary engagement surfaces positioned on an exterior face of the carrier unit. For example, an auxiliary engagement surface can be configured at a bottom face of the carrier unit;

[0073] The carrier unit may include a second engagement surface simulating/mimicking the first engagement surface of the utility module;

[0074] A utility module may be configured with one or more auxiliary first and second engagement surfaces;

[0075] The carrier engagement surface may be a connectivity platform detachably attached to the exterior surface of the carrier unit, facilitating a cart unit or a carrier unit according to the present disclosure;

[0076] One or both of the utility module's first and second engagement surfaces may be detachably attached to an exterior surface of the utility module;

[0077] The carrier engagement surface and the utility module's first engagement surface may be like elements;

[0078] The utility module's first and second engagement surfaces may be like elements;

[0079] The carrier unit's engaging elements and the utility module's first engaging elements may be similar elements;

[0080] One engagement surface may include several engaging elements and one locking mechanism;

[0081] The coupling mechanism is configured for spontaneous displacement into locking engagement within a locking receptacle, wherein manual interference is required only for unlocking the locking mechanism and detaching a utility module from a respective utility module or carrier unit;

[0082] The coupling mechanism can be a spring biased locking pin, normally projecting from a respective engagement surface;

[0083] One or both of the carrier unit and the utility module may further include a locking mechanism designated to prevent unintentional separation of the engagement surfaces while they are interlocked;

[0084] The locking mechanism is manipulable between an unlocked position in which said engagement surfaces may slide upon each other, and a locked state in which the engagement surfaces may not slide upon each other;

[0085] The locking mechanism may be configured with a biasing mechanism for snap arresting at least at its locked state;

[0086] The locking mechanism may be configured with a manually operated activating portion for switching between said unlocked and locked positions.

[0087] The carrier unit may be assembled together with other carrier units the same way it's assembled with the utility modules;

[0088] The locomotion system of the carrier unit may comprise a wheel system (e.g. axially fixed roller wheels, swivel wheels, etc.), a sliding platform, caterpillar tracks, etc;

[0089] The locomotion system of the carrier unit comprises, according to a particular example, several fixed axis wheels, wherein the perimeter of said wheels is tangent with a base edge of the carrier unit;

[0090] At an assembled configuration, where one or more utility modules are attached to the carrier unit, the assembly can be positioned vertically wherein a side face of the one or more containers rest over a supporting surface. According to a particular example, at this position the carrier unit and container assembly are configured with stability members for retaining their stability while positioned vertically to the ground;

[0091] The carrier unit may be stable while positioned horizontally to the ground, by a support system projecting from a bottom face thereof. The support system may comprise friction enhancing surfaces to restrict displacement of the assembly while placed over a bearing surface;

[0092] The carrier unit may be foldable to a more compact configuration;

[0093] The carrier unit may comprise an external storage box detachably interconnectable to its exterior walls;

[0094] The carrier unit may comprise a power supply detachably interconnectable to its exterior walls;

[0095] The carrier unit's transporting system may be motorized while powered via said power supply;

[0096] The carrier unit may further include a locking mechanism to insure interlocking connection of the engagement surfaces;

[0097] The container unit may comprise non-rigid portions;

[0098] The carrier unit may comprise at least one manipulating arrangement, configurable between a stowed position in which the manipulating arrangement is retracted, and a manipulating position in which the manipulating arrangement is extracted. The manipulating arrangement may be a telescopic or foldable handle;

[0099] The manipulating arrangement may be a gripping handle, a D-grip handle, a T-grip handle, a flexible strap, etc.

EMBODIMENTS

[00100] The present disclosure also encompasses embodiment as defined in the following numbered phrases. It should be noted that these numbered embodiments intended to add to this disclosure and is not intended in any way to be limiting.

[00101] 1. A coupling mechanism configured for readily detachably attaching a first utility module to a second utility module, the coupling mechanism comprising a male coupler at a face of one of the first utility module and the second utility module, and a female coupler at a face of the other one of the first utility module and the second utility module, said female coupler having a depressed locking location configured with at least one locking rib extending above a depressed surface and along a sliding path, and having an open edge facing in a first sense; said male coupler having a projecting locking location disposed in register with said depressed locking location and configured with at least one locking tongue extending along said engaging sliding path at a second sense, opposite to said first sense, and configured for arresting engagement at a space between said locking rib and depressed surface, the coupling mechanism further comprises at least one locking member for arresting the first utility module with respect to said second utility module and preventing sliding displacement along said sliding path.

[00102] 2. The coupling mechanism of embodiment 1, wherein said female coupler is configured at the top face of the first utility module, and the male coupler is configured at the bottom face of the second utility module.

[00103] 3. The coupling arrangement of embodiment 1 or 2, wherein the at least one locking rib extends substantially parallel to the sliding path.

[00104] 4. The coupling arrangement of embodiment 1 or 2, wherein the at least one locking rib extends substantially perpendicular and intersects the sliding path.

[00105] 5. The coupling arrangement of embodiment 1 or 2, wherein the female coupler comprises a single locking rib extends at rear end of a depressed locking location and substantially perpendicular to the sliding path.

[00106] 6. The coupling arrangement of embodiment 1 or 2, wherein the female coupler comprises two locking ribs extend at side edges of a depressed locking location and disposed substantially parallel to the sliding path.

[00107] 7. The coupling arrangement of embodiment 1 or 2, wherein the female coupler comprises two locking ribs each extend at a respective side edge of two neighboring depressed locking locations, said locking ribs disposed substantially parallel to the sliding path.

[00108] 8. A coupling mechanism for a utility assembly that comprises at least a first utility module and at least a second utility module, said coupling mechanism is configured between the first utility module and the second utility module; one of a top face of the first utility module and a bottom face of the second utility module comprises at least one depressed locking location configured with a locking rib, and at least one locking latch arresting location; and the other one of said top face of the first utility module and a bottom face of the second utility module comprises at least one projecting portion with a locking tongue disposed in register with said at least one depressed locking location, and at least one locking latch disposed in register with said at least one locking latch arresting location; and wherein at a locked position the bottom face at least partially rests over the top face, and the at least one projecting tongue is arrested by the corresponding at least one locking rib and the at least one locking latch is arrested by corresponding at least one locking latch arresting location, and further wherein disengaging the second utility module from the first utility module is facilitated by disengaging the at least one locking latch from the at least one locking latch arresting location, such that engaging the first and second utility modules into the locked position is provided by sliding the second utility module with respect to the first utility module along a sliding path defined by at least one of said at least one locking rib and said at least one locking tongue.

[00109] 9. The coupling arrangement of embodiment 8, wherein the at least one locking rib extends substantially parallel to the sliding path.

[00110] 10. The coupling arrangement of embodiment 8, wherein the at least one locking rib extends substantially perpendicular and intersects the sliding path.

[00111] 11. The coupling arrangement of embodiment 8, wherein a single locking rib extends at rear end of a depressed locking location and substantially perpendicular to the sliding path.

[00112] 12. The coupling arrangement of embodiment 8, wherein two locking ribs extend at side edges of a depressed locking location and disposed substantially parallel to the sliding path.

[00113] 13. The coupling arrangement of embodiment 8, wherein two locking ribs each extend at a respective side edge of two neighboring depressed locking locations, said locking ribs disposed substantially parallel to the sliding path.

[00114] 14. The coupling arrangement of any one of embodiments 8 to 13, further comprising a release latch for displacing the locking latch into disengagement from the locking latch arresting location can be disposed at a front face of the respective second utility module.

[00115] 15. The coupling arrangement of any one of embodiments 8 to 14, wherein the at least one locking latch and the at least one locking latch arresting location are disposed at a front portion of the respective utility modules.

[00116] 16. The coupling arrangement of any one of embodiments 8 to 15, wherein the locking latch is configured for displacement in a direction substantially normal to a respective face of a utility module.

[00117] 17. The coupling arrangement of any one of embodiments 8 to 16, wherein locking latch is spring biased and configured for normally projecting from a face of the respective first or second utility module.

[00118] 18. The coupling arrangement of any one of embodiments 8 to 17, wherein the locking latch is manipulable to be opened through an opening configured at a front wall of the respective utility module.

[00119] 19. The coupling arrangement of any one of embodiments 1 to 18, wherein one or both of the locking tongue and locking rib are configured with a slanting surface at corresponding orientation along the sliding path.

[00120] 20. The coupling arrangement of any one of embodiments 1 to 19, wherein one or both of a front edge of the projecting portion (or the projecting locking location) and a corresponding front edge of the depressed locking location are slanted for gliding positioning of the second utility module into locking position over the first utility module.

[00121] 21. The coupling mechanism of any one of embodiments 1 to 20, wherein the first utility module is configured for detachably attaching one or more second utility modules thereto.

[00122] 22. A coupling mechanism for a utility assembly comprising at least a first utility module and at least a second utility module, said coupling mechanism is configured between the first utility module and the second utility module and comprises at one of a top face of the first utility module and a bottom face of the second utility module with at least one depressed locking location configured with a locking rib, and at least one locking latch arresting location; and the other one of said top face of the first utility module and a bottom face of the second utility module comprises at least one projecting portion with a locking tongue disposed in register with said at least one depressed locking location, and at least one locking latch disposed in register with said at least one locking latch arresting location; and wherein at a locked position the bottom face at least partially rests over the top face, and the at least one projecting tongue is arrested by the corresponding at least one locking rib and the at least one locking latch is arrested by corresponding at least one locking latch arresting location, and further wherein disengaging the second utility module from the first utility module is facilitated by disengaging the at least one locking latch from the at least one locking latch arresting location.

[00123] 23. A utility assembly comprising at least a first utility module and at least a second utility module, and comprising a coupling mechanism according to any one of embodiments 1 to 21, the coupling mechanism being configured between the first utility module and the second utility module.

[00124] 24. A utility assembly comprising at least a first utility module and at least a second utility module, and comprising a coupling mechanism for readily detachably attaching the first and second utility modules, the coupling mechanism being configured between the first utility module and the second utility module; said coupling mechanism comprising at one of a top face of the first utility module and a bottom face of the second utility module one or more depressed locking locations each configured with a locking rib, and at least one locking latch arresting location; and the other one of said top face of the first utility module and a bottom face of the second utility module comprises one or more projecting portions each configured with a locking tongue disposed in register with said one or more depressed locking locations, and at least one locking latch disposed in register with said at least one locking latch arresting location; such that at a locked position, the bottom face of the second utility module at least partially rests over the top face of the first utility module, and the one or more projecting tongues are arrested by the corresponding one or more locking ribs, and the at least one locking latch is arrested by corresponding at least one locking latch arresting location, thereby preventing sliding displacement between the first utility module and the second utility module, and disengaging the second utility module from the first utility module is facilitated by disengaging the at least one locking latch from the at least one locking latch arresting location.

[00125] 25. The utility assembly of embodiment 24, wherein the first and second utility modules are in a locking engagement when said one or more depressed locking locations and the one or more projecting portions are disposed behind one another.

[00126] 26. The utility assembly of embodiment 24 or 25, wherein said one or more depressed locking locations and said one or more locking latch arresting locations are configured at the top face of the first utility module, and the one or more projecting portions and the at least one locking latch are configured at the bottom face of the second utility module.

[00127] 27. The utility assembly of any one of embodiments 24 to 26, wherein at least one second utility module is configured for snap-type locking over the first utility module.

[00128] 28. The utility assembly of any one of embodiments 24 to 27 wherein engaging the first and second utility modules into the locked position is provided by sliding the second utility

module with respect to the first utility module along a sliding path defined by at least one of said at least one locking rib and said at least one locking tongue.

[00129] 29. The utility assembly of any one of embodiments 24 to 28, wherein the at least one locking rib extends substantially parallel to the sliding path.

[00130] 30. The utility assembly of embodiment 29, wherein the at least one locking rib extends substantially perpendicular and intersects the sliding path.

[00131] 31. The utility assembly of embodiment 29, wherein a single locking rib extends at rear end of a depressed locking location and substantially perpendicular to the sliding path.

[00132] 32. The utility assembly of embodiment 29 wherein two locking ribs extend at side edges of a depressed locking location and disposed substantially parallel to the sliding path.

[00133] 33. The utility assembly of embodiment 29, wherein two locking ribs each extend at a respective side edge of two neighboring depressed locking locations, said locking ribs disposed substantially parallel to the sliding path.

[00134] 34. The utility assembly of any one of embodiments 24 to 33, wherein a top face of a first utility module interlocks with a bottom face of a second utility module disposed thereover in a substantially fully overlapping relation, or with a bottom face of at least one second utility module only partially overlapping therewith.

[00135] 35. The utility assembly of any one of embodiments 24 to 33, wherein the second utility module overlaps a significant portion of a first utility module and is configured with a single release latch for displacing several locking latches articulated therewith.

[00136] 36. The utility assembly of any one of embodiments 24 to 35, further comprising a release latch for displacing the locking latch into disengagement from the locking latch arresting location can be disposed at a front face of the respective second utility module.

[00137] 37. The utility assembly of any one of embodiments 24 to 36, wherein the locking latch is configured for displacement in a direction substantially normal to a respective face of a utility module.

[00138] 38. The utility assembly of any one of embodiments 24 to 37, wherein the locking latch is spring biased and configured for normally projecting from a face of the respective first or second utility module.

[00139] 39. The utility assembly of any one of embodiments 24 to 38, wherein two or more second utility modules can be mounted over a first utility module, each being independently detachable attachable over the first utility module.

[00140] 40. The utility assembly of any one of embodiments 24 to 39, wherein at least one of the first utility module and the second utility module are configured with a gliding surface facilitating displacement and positioning the respective second utility module at the locking position with respect to the first utility module.

[00141] 41. The utility assembly of any one of embodiments 24 to 40, wherein one or more of the utility modules is a container module, and the utility assembly is a container assembly or a tool caddy.

[00142] 42. The utility assembly of embodiment 41, wherein the container module is compartmented and optionally configured with sub-containers and sub-compartments.

[00143] 43. The utility assembly of embodiment 41 or 42, wherein a top face of the container module is configured as a lid or as a functional component of the container module.

[00144] 44. The utility assembly of any one of embodiments 41 to 43, wherein the container modules is a locomoting container, configured with an arrangement for locomoting said utility assembly.

[00145] 45. The utility assembly of any one of embodiments 41 to 44, wherein the container modules is configured with a carrying arrangement disposed at any one or more of its faces, optionally being a carrying handle.

[00146] 46. The utility assembly of any one of embodiments 24 to 40, wherein one or more of the utility modules is a soft-shell container with at least a rigid face portion.

[00147] 47. The utility assembly of any one of embodiments 24 to 40, wherein said first utility module is a mobile carrier unit.

[00148] 48. The utility assembly of any one of embodiments 24 to 47, further comprising a locking mechanism for preventing unintentional separation of the modules while they are interlocked.

[00149] 49. The utility assembly of any one of embodiments 24 to 48, wherein the first utility module is configured for detachably attaching at least two second utility modules thereto.

[00150] 50. A mobile carrier unit comprising at least one carrier engagement surface, compatible for interlocking engagement in a detachable manner with a first engagement surface of a utility module, said carrier engagement surface having (i) one or more depressed locking locations each configured with a locking rib and at least one locking latch arresting location, configured for engagement with said first engagement surface of a utility module that comprises at least one locking latch and one or more projecting portions, each projecting portion being configured with a locking tongue, or (ii) at least one locking latch and one or more projecting portions each configured with a locking tongue for engagement with said first engagement surface of a utility module that comprises one or more depressed locking locations, each depressed locking locations configured with a locking rib and at least one locking latch arresting location.

[00151] 51. The mobile carrier unit of embodiment 50, wherein once associated with the utility module, said locking tongue becomes disposed in register with said one or more depressed locking locations, and at least one locking latch become disposed in register with said at least one locking latch arresting location.

[00152] 52. The mobile carrier unit of embodiment 50 or 51, configured for detachable interlocking engagement with one or more utility modules, each utility module comprising a first engagement surface.

[00153] 53. The mobile carrier unit of any one of embodiments 50 to 52, further comprising at least one of a manipulating arrangement and a locomotion system.

[00154] 54. An assembly comprising a mobile carrier unit of any one of embodiments 50 to 53 having at least one carrier engagement surface, and at a least one utility module having a first engagement surface, the utility module being detachably interlocked with the mobile carrier unit by engaging said first engagement surface with said carrier engagement surface.

[00155] 55. The assembly of embodiment 54, wherein the mobile carrier unit and the at least one utility module are detachably interlocked with one another by a dovetail engagement mechanism, that comprises laterally projecting shoulders configured on one of the carrier engagement surfaces and the first engagement surface of a utility module, and a shoulder receiving recess configured on the other one of one of the carrier engagement surfaces and the first engagement surface of a utility module; where said laterally projecting shoulders are configured for sliding engagement with said shoulder receiving recess.

[00156] 56. The assembly of embodiment 55, wherein one or both of the carrier engagement surfaces and the first engagement surface of a respective utility module are configured with depressions, each accommodating respective laterally projecting locking shoulders.

[00157] 57. The assembly of embodiment 54, wherein the mobile carrier unit and the at least one utility module are detachably interlocked with one another by an undercut engagement mechanism, comprising lateral projections configured on one of the carrier engagement surfaces and the first engagement surface of a container unit, and a receiving recess configured on the other one of one of the carrier engagement surfaces and the first engagement surface of a utility module; where said lateral projections are configured for engagement with said receiving recess, such that interlocking engagement of the utility module and the carrier unit takes place by placing the first engagement surface of a utility module over the carrier engagement surface, such that the utility module's first engaging elements are disposed shifted over the respective carrier engaging elements of the carrier unit, and are then slidingly shifted to obtain sliding interlocking engagement therebetween.

[00158] 58. The assembly of any one of embodiments 54 to 57, further comprising a locking mechanism configured for preventing unintentional detaching of the utility module from the carrier unit.

[00159] 59. The assembly of embodiment 58, wherein the locking mechanism comprises a locking pin that is configured for snapingly protruding from one of the engagement surfaces into a designated nook on the other engagement surface.

[00160] 60. An interface coupling module comprising at least one engagement surface, compatible for interlocking engagement in a detachable manner with a first engagement surface of a utility module, said interface coupling module comprising an engagement surface having (i) one or more depressed locking locations each configured with a locking rib and at least one locking latch arresting location, configured for engagement with said first engagement surface of a utility module that comprises at least one locking latch and one or more projecting portions, each projecting portion being configured with a locking tongue, or (ii) at least one locking latch and one or more projecting portions each configured with a locking tongue for engagement with said first engagement surface of a utility module that comprises one or more depressed locking locations, each depressed locking locations configured with a locking rib and at least one locking latch arresting location

[00161] 61. The interface coupling module of embodiment 60, being configured for detachable or fixed attachment to a surface of an object.

[00162] 62. The interface coupling module of embodiment 60 or 61, being a cargo interface module for a utility vehicle configured for attaching one or more utility modules to the vehicle.

[00163] 63. The interface module of embodiment 60 or 61, being a surface mount for attaching utility modules

[00164] 64. The interface module of embodiment 60 or 61, being a tool mount or a tool rack.

[00165] 65. The interface module of embodiment 60 or 61, being a belt mount for mounting of utility modules to a workers belt;

[00166] 66. The interface module of embodiment 60 or 61, being an interface mount module for coupling two utility modules to one another.

BRIEF DESCRIPTION OF THE DRAWINGS

[00167] In order to better understand the subject matter that is disclosed herein and to exemplify how it may be carried out in practice, embodiments will now be described, by way of non-limiting examples only, with reference to the accompanying drawings, in which: Figs. 1A to 6G are directed to a first example of a locking mechanism, wherein:

[00168] Fig. 1A is a top perspective view of a container assembly according to an example of the present disclosure;

[00169] Fig. 1B is an exploded perspective view of the container assembly of Fig. 1A;

[00170] Fig. 1C is a bottom, front perspective view of Fig. 1B;

[00171] Fig. 1D is a bottom, rear perspective view of Fig. 1B;

[00172] Fig. 2A is a sectioned portion along line A-A in Fig. 1A;

[00173] Fig. 2B is a sectioned portion along line B-B in Fig. 1A;

[00174] Fig. 2C is a sectioned portion along line C-C in Fig. 1A;

[00175] Figs. 3A to 3D are consecutive steps illustrating locking engagement of the locking tongue of the second container with the respective locking rib of the first container;

[00176] Figs. 4A to 4D are consecutive steps illustrating locking engagement of the locking latch of the second container with the respective locking latch arresting location of the first container;

[00177] Figs. 5A to 5E schematically demonstrate modularity of a container assembly according to the disclosure;

[00178] Figs. 6A to 6G are various combinations of a modular container assembly according to examples of the present disclosure.

[00179] Figs 7A to 12C are directed to a carrier unit and another example of a locking mechanism, wherein:

[00180] Fig. 7A is container carrier assembly according to an example of the disclosure, illustrating a top, left perspective view of a container unit, mounted on top of a carrier unit;

[00181] Fig. 7B is a top, left perspective view of a second container unit, mounted on top of a first container unit, which in turn is mounted on top of a carrier unit according to an example of the present disclosure;

[00182] Fig. 8A is a top, left perspective view of a carrier unit, illustrating the carrier engagement surface in further detail;

[00183] Figs. 8B and 8C are a top and a bottom perspective view of a carrier unit, illustrating the container unit's first engagement surface in further detail;

[00184] Fig. 9A is a side section along line F-F in Fig. 7A, illustrating the container unit and the carrier unit unattached;

[00185] Fig. 9B is a side section along line F-F in Fig. 7A illustrating the container unit and the carrier unit attached;

[00186] Fig. 9C is a close-up view of Fig. 9B;

[00187] Fig. 9D is a sectioned view along line F-F in Fig. 7A illustrating the interlocking engagement of the carrier engaging elements together with the container unit's first engaging elements;

[00188] Fig. 10A is a sectioned view along line D-D in Fig. 7A, illustrating the locking mechanism;

[00189] Fig. 10B is an enlarged image of the portion marked M in Fig. 10A;

[00190] Fig. 11A illustrates different sizes of container units forming an assembly, at a tilted orientation;

[00191] Fig. 11B illustrates an assembled configuration balanced vertically relatively to the ground;

[00192] Fig. 12A shows a container assembly wherein the female coupler comprises two locking ribs extending at respective side edges of two neighboring depressed locking locations;

[00193] Fig. 12B is a section along line H-H in Fig. 12A;

[00194] Fig. 12C illustrates the utility module apart from the container and flipped, so as to expose the mating coupling mechanism.

[00195] Figs. 13A-13D, 14A-14C, 15A-15B, 16A-16B, 17, 18A-18C, and 19-24 are different embodiments and configurations of utility modules and utility assemblies according examples of this disclosure.

DETAILED DESCRIPTION OF EMBODIMENTS

[00196] Reference is first being made to Figs. 1A to 6G, directed to a first configuration of a coupling mechanism. For sake of convenience the utility modules are exemplified as containers and respectively the utility assembly is illustrates as a tool caddy. It is however appreciated that the utility modules can be of any type, shape or size, as discussed hereinabove and as will be exemplified below.

[00197] Attention is first directed to Figs. 1A to 4D, illustrating a container assembly generally designated 20, comprising four containers 22, 24, 26 and 28 disposed in a triple stage configuration, the stages designated A, B and C. In the illustrated example containers 24 and 26 of the second stage are half-size and overlap the footprint of the first stage container 22 and the third stage container 28, wherein the first container 22 is for example a hand tool container and containers 24 to 28 are organizers or the like.

[00198] The term 'first container' as used herein denotes a container bearing over a top face thereof at least one other container, said at least one other container denoted herein as a 'second container'. It is thus appreciated that a second container of a container assembly comprising three or more stages of containers' serves as second container when referred to the first stage container, and as a first container when referred to a third stage container mounted thereover. Accordingly, in the illustrated example of Figs. 1A-2C, container 22 is a first container and containers 24 and 26 are second containers, whilst they function as first containers when discussing locking arrangement with respect to third stage container 28.

[00199] Each of the containers is configured with a lid L constituting a top face of the respective container, said lids being pivotally attached and securely articulated to the respective container through a toggle locking latch 29. Each top face (see Fig.lB) is configured with several depressed locking locations 32 and it is seen that the at least two depressed locking locations are disposed behind one another along imaginary lines I, II and III (though not necessarily aligned).

[00200] Each such depressed locking location is in turn configured with a laterally projecting locking rib 36 extending from a rear portion of the depressed locking location 32 towards a front face of the container. The locking rib 36 has a flat top surface 38 substantially flush with a top surface of the respective lid L, and a slanting bottom surface 40. A front portion 46 of the depressed locking location 32 is slanted too, in the same orientation as bottom surface 40 (i.e. substantially parallel thereto).

[00201] Furthermore, the top face, namely lid L of the containers, is configured with at least one locking latch arresting location in the form of a recess 50 disposed at a front portion of the respective top face and configured with a slanted rear wall portion 52 and a right angled front wall portion 53.

[00202] A bottom face 54 of each container 22, 24, 26 and 28 is configured with several projecting portions 56, extending in register with the depressed locking locations 32, and it is seen that the at least two projecting portions 56 are disposed behind one another along the imaginary lines I, II and III (though not necessarily aligned).

[00203] Each projecting portions 56 is configured with a locking tongue 60 laterally projecting rearwards and having a slanted surface 62 corresponding with slanting surface 40 of locking rib 36. Also, a front portion 66 of the projecting portions 56 slants substantially parallel to the slanted surface 62 of the locking tongue 60.

[00204] It is essential that the at least two depressed locking locations 32 and the at least two projecting portions 56 be disposed behind one another (though not necessarily aligned), as exemplified by imaginary lines I, II and III (though not necessarily aligned).

[00205] A plunger-like locking latch 70 is disposed at a front portion of each container, said locking latch 70 disposed in register with the recesses 50 and configured with a slanting rear wall

portion 72 and a right angled front wall portion 74, corresponding with the sloping wall portions of the recesses 50. The locking latch 70 has an elongate finger engaging aperture 73 (Fig. 2A) accessible through an aperture 75 formed in register at a front wall face of the respective second container, said locking latch 70 being normally biased to project under force of coiled spring 71, such that the locking latch 70 is axially displaceable between a projecting, locked position and a temporary retracted position during transition into the locked position.

[00206] The locking latch 70 is typically single-handedly manipulable between its locking position and its releasing position, such that manipulation of the locking latch to disengage it from the locking latch arresting location 50 can be easily facilitated using one hand simultaneously with gripping the carrying handle 80. As seen in Figs. 1A-2C, manipulating the finger engaging aperture 73, being part of locking latch 70, is disposed opposite to and at finger-reach distance from the carrying handle 80 when the handle is at its carrying position tilted upwards. This enables a grab, release and go detachment of the second utility module from the first utility module in a simple single-handed operation.

[00207] When it is required to detachably attach a second container over a first container, the former is placed over the later (Fig. 3A), placing the projecting portions 56 within the depressed locking location 32 (Fig. 3B) with the locking tongues 60 engaging below and being gradually arrested by the respective locking ribs 36 arresting is obtained (Fig. 3C) until complete arresting is obtained (Fig. 3D). Simultaneously, as the locking tongues 60 arrest by the locking ribs 36, the locking latch 70 of the second container slides into the locking latch arresting location (recess 50) and finally snaps into locking engagement therewith. It is noted (Figs 4A to 4D) that first (Figs. 4B and 4C) the locking latch 70 displaces upwards against the biasing effect of spring 71, and when the second container reaches the final locking position over the first container, the locking latch 70 plunges into arresting position within the recess 50.

[00208] At the locked position the second container is attached over the top face of the first container, such that they can be moved as an integrated unit. Detaching of a second container from a first container is easily facilitated by unlocking, obtained by displacing the locking latch 70 upwards against the biasing effect of spring 71, whereby the second container can be displaced with respect to the first container and detached therefrom.

[00209] As further seen in Figs. 1A-4D, each of the containers 22, 24, 26 and 28, is configured at a front face thereof with a tiltable carrying handle 80, for carrying a respective container or the entire container assembly 20. Also seen, some of the containers can be configured with fender-like protectors 90 at their corners.

[00210] Further attention is now directed to Figs. 5A to 5E demonstrating examples of modularity of a container assembly according to the disclosure. Fig. 5A is a planner top view of a first container 94 and Figs. 5B to 5E illustrate second containers superimposed over the first container 94. In Fig. 5B a second container 96 is substantially as big as the first container 94, i.e. having the same footprint. In Fig. 5C a second container 98 is as wide as the first container 94, however narrower in depth, and disposed at a front portion of the first container. In Fig. 5D two second containers 99A and 99B are mounted over the first container 94 and occupy substantially the entire footprint thereof, whereby each of containers 99A and 99B is independently attachable and detachable from the first container 94, as exemplified hereinabove. In Fig. 5E two second containers 100A and 100B are positioned over the first container 94, occupying the entire width though narrower in depth and extending from a front portion of the first container 94.

[00211] Turning now to Figs. 6A to 6K, there are illustrated several examples of container assemblies, subassemblies and their components. Fig. 6A illustrates a disassembled container assembly collectively designated 104 and comprising a base container 106, a chest of drawers module 108 comprising three drawers, a tool caddy module 110, a compartmented storage module 112 and a half-sized compartmented storage module 114 (typically two of which). It is noted that the base container is configured for locomoting and comprises at a rear thereof wheels 116 and a telescopic handle 118.

[00212] As can be appreciated from Figs. 6B through 6D, various container assemblies are illustrated, the arrangement is such that in practice any module can constitute either a first container or a second container, as defined hereinabove (though it is more likely that base container 106 serves as a first container).

[00213] Figs. 6E and 6F illustrate a chest of drawers module 108, illustrated separately in Fig. 6E and mounted over a similar drawer module 108 in Fig. 6F. It is appreciated that the drawers of each module can be locked at their closed position to prevent spontaneous opening thereof

whilst carrying a module. Furthermore, each module 108 is configured with a pair of carrying handles 115 disposed at top side wall portions thereof, to facilitate carrying of the module.

[00214] In Fig. 6G there is illustrated a subassembly comprising a first container in the form of a tool caddy module 110 and second container in the form of a compartmented storage module 112 attached thereto, whilst the lid 119 of the first container is open facilitating access to the contents thereof.

[00215] Further attention is now directed to Figs. 7A to 16B, showing a third aspect of the disclosure, namely a utility module being a mobile carrier unit and comprising at least one carrier engagement surface, compatible for interlocking engagement in a detachable manner with a first engagement surface of a second utility module. For sake of example only, the second utility module exemplified in the annexed drawings is in the form of a utility container. It is however appreciated that the utility modules can be of any type, shape or size, as discussed hereinabove and as will be exemplified below. Accordingly, the term container unit as used in the following description denotes any type of a utility module, as discussed herein the specification.

[00216] Attention is first directed to Fig. 7A, illustrating a container carrier assembly generally designated 200 comprising a container unit 202 (utility module) mounted on top of a carrier unit 206. The carrier unit 206 is equipped with a telescopic manipulating handle 210, a pair of rear wheels 208 and a set of horizontally stabilizing support legs 212 at a front portion of the carrier unit 206. The carrier unit 206 and the container unit 202 are engaged in an interlocking engagement via their engagement surfaces, i.e. a carrier engagement surface 216 at a top face of the a carrier unit 206 (best seen in Fig. 8A), and the container unit's first engagement surface 220 (namely its bottom face; best seen in Figs. 8B and 8C). The container unit 202 is configured with yet a second engagement surface 226 (namely the container's top face), simulating the carrier engagement surface 216. The container unit 202 further comprises a locking mechanism 230 configured for arresting within a respective notch 231 at the carrier engagement surface 216, to thereby to prevent displacement and separation of the engagement surfaces 216 and 220 once they are interlocked, as later will be explained.

[00217] The carrier engagement surface 216 seen in greater detail in Fig. 8A, illustrates a top perspective view of a carrier unit 206 with the telescopic handle 210 in a retracted position. The

carrier engagement surface 216 comprises multiple carrier engaging elements 236, depressed from the surface, and designated for interlockingly receiving respective container unit's first engaging elements 240, projecting from the first engagement surface (bottom face) 220 of the container unit 202.

[00218] Each carrier engaging element 236, is a so-called female coupler and has a depressed locking location configured with at least one locking rib extending above a depressed surface and along a sliding path and having an open edge facing in a first sense. As seen in the drawings, it is generally constituted by a receiving recessed depression 244 in the carrier engagement surface 216, configured with a pair of facing locking ribs 248, forming the aforementioned recess. The locking ribs 248 extend substantially parallel to sliding path of the container unit 202 with respect to the carrier unit 206, said path (designated Pin Figs. 7A and 10B). Further noted, side walls 250 of depressions 244 are sloped in order to allow directing of a container unit's first engaging element 240, mounted upon it, to its interlocking position.

[00219] A corresponding coupler configured at the container unit is a so-called male coupler comprising a projecting locking location disposed in register with said depressed locking location and configured with at least one locking tongue extending along said engaging sliding path at a second sense, opposite to said first sense, and configured for arresting engagement at a space between said locking rib and depressed surface. As seen, a single container unit's engaging element 240 is generally constituted a downwardly projecting outwards protrusion 258, projecting from the bottom face 220 of the container 202.

[00220] In order to lock the container 202 over the carrier unit 206, upon placing the container 202 over the carrier engagement surface 216 of carrier unit 206 one must mount the container unit's first engaging elements 240 into the depressions 244 and then slide the container 202 along the sliding path P (i.e. towards the locking ribs 248) so that the engaging elements 240 engage below said projecting ribs/shoulders 248 and the engaging elements 240 are thus arrested at a space between said locking ribs and the depressed surface, as seen in Fig. 9C. Interlocking engagement of the container (or any other utility module) can be facilitated by a single male-female locking mechanism of the aforementioned type, or by a plurality of such locking mechanism, at any location over the carrier unit 206.

[00221] The shape and size of the locking members is modular as far as the depression 244 in the carrier engagement surface 216, can be single or double in size (e.g. 236 and 236A in Fig. 8A, respectively), so it is large enough to accommodate two container unit's first engaging elements 240, or two neighboring container unit's first engaging elements.

[00222] Locking/engaging and detaching of this configuration is similar to a single locking module.

[00223] The engagement and locking mechanism is modular in the sense that any first article can be easily and readily articulated to a surface of any second article, wherein the articulation is strong and firm (i.e. substantially motionless).

[00224] With further reference to Fig. 7B, there are illustrated two containers 202A and 202B articulated over one another, the arrangement being such that the bottom face of the intermediate container 202A serves for engaging with the top face of the carrier unit 206 and likewise, the top face of the intermediate container 202A serves for engaging with the bottom face of the top container 202B, as discussed herein above. The arrangement is such that each stage is lockingly secured by the locking mechanism 230, wherein each stage can be detached from the stage below upon releasing locking engagement of the respective locking mechanism 230.

[00225] The locking mechanism 230 is shown in further detail in Figs. 10A and 10B. The locking mechanism comprises a locking pin 231 normally biased by spring 233 such that a tip 235 projects from a bottom surface of the container 202 (see also Fig. 8B) and is configured for snap arresting within a respective notch 231 configured at the engagement surface 216 of the carrier unit 206 (seen also in Fig. 8A). The locking pin 231 is slidable within a race at the side wall of the container, and comprises a finger manipulating portion at 237 (accessible through an opening at the side wall of the container), for displacing the locking pin, against the biasing effect of spring 233, into its disengaged position, thus facilitating sliding the container along the path P into disengagement from the carrier unit (or respective other container or utility module). The carrier unit 206 is further configured at a bottom end, with a pair of stability supports 264 (Figs. 8A, 1lB), configured for supporting the carrier unit, with or without a container attached thereto, at an upright, i.e. vertical position, thus preventing it from tipping over, in particular with containers or any other utility module articulated thereto. Stability supports 264 can be,

according to a particular configuration, an extension of the telescopic handle 210, whereby the stability supports are functional as such only when the handle is fully contracted. However, in the illustration of Figs. 16A-16B the utility assembly 253 is maintained at its upright position owing to said stability supports 264 and further bearing over a side face 266 of the intermediate container 202A, being substantially flush with a bottom face of the stability supports 264.

[00226] With further reference to Figs. 12A to 12C there is illustrated a modification of articulation between a first utility module (container 300 in the particular example) and a second utility module (two work-piece supports 304 in the particular example). The container 300 is substantially similar to that illustrated in the previous examples, wherein the cover/lid 308 is configured with a plurality of female coupler members 310, each configured with a depressed locking location and a pair of locking ribs extending above the depressed surface and along a sliding path. The opposing locking ribs 312A and 312B have an open edge facing in a first sense (the introducing direction).

[00227] In the examples hereinbefore, engagement with a corresponding male coupler took place within the vicinity of a single coupling element, i.e. over two engaging ribs 312A and 312B of a single depressed locking location facing each other. However, in the example of Figs. 12A-12C engagement of the work-piece supports 304 takes place over two engaging ribs 312A and 312B of two neighboring depressed locking locations 308A and 308B. Accordingly, the male coupler of the two work-piece supports 304 is configured for arresting with the two engaging ribs 312A and 312B by two individual (separate) male couplers 316A and 316B, each configured for arresting one of the respective engaging ribs 312A and 312B. Arresting of the male projections 316 takes place as discussed before, by arresting below the respective engaging ribs, within the space at the depressed locking location. In spite of the relative narrow body structure of the work-piece supports 304, they are each configured with a locking mechanism 330, similar to locking mechanism 230 discussed hereinbefore.

[00228] Turning now to Figs. 13A-13D, 14A-14C, 15A-15B, 16A-16B, 17, 18A-18C, and 19-24, there are illustrated various examples of utility modules, utility assemblies and various configurations according to the disclosure.

[00229] Fig. 13A illustrates a utility module assembly generally designated 400, comprising a wheeled base container 402 supporting an intermediate container 404, bearing in turn a cooler box 406 and a power unit 408 disposed side by side over the intermediate container. At least the intermediate container 404 is configured at a bottom face thereof with a male-type coupling arrangement, for attachment over the cover of the base container, said cover configured with a respective female coupling arrangement. The cover of the intermediate container 404 is configured with a similar female coupling arrangement, and can thus engage with one the utility modules 406 and 408, each configured at its bottom face with a respective male-type coupling arrangement.

[00230] It is seen in Figs. 13B through 13D that the intermediate container 404 is fitted with a pivotal carrying handle 418 articulated at the top side walls thereof. The carrying handle has a thickness t and the arrangement is such that at the stowed/folded position (Figs. 13B, 13D) the handle 418 is received within a peripheral groove 422 extending over a top edge of the intermediate container 404 and a peripheral groove 424 extending at a bottom edge of the utility modules 408 and 406 (cooler box 406 and a power unit 408), such that the handle 418 does not constitute an obstacle in mounting and interlocking a utility module over another utility module. It is also seen that at least some of the utility modules are configured with side handles 428 serving both as carrying handles and as bumpers.

[00231] Figs. 14A to 14C illustrate a first utility module in the form of a container 430 supporting two detachable workpiece-piece supports 432 (attached as discussed herein before with reference to Figs. 12A-12C). Fig. 14C illustrates a utility module in the form of a work surface 436 configured with a vice race 438, so that a vice 440, or other workshop tools can be used. The workpiece-piece supports 432 are configured with a male type coupling having projecting locking locations 444 for engaging with respective female couplers.

[00232] In Figs. 15A and 15B there is illustrated a back-rack 450 being a substantially rigid platform having a carrying handle 451 and configured at one side thereof with a pair of adjustable shoulder harnesses 452, and an adjustable waist harness 454. The other side of the back-rack is configured as a universal utility mounting platform 458, configured with a plurality of attachment locations 460. In the illustrated example all attachment locations 460 are so-called female attachments (as discussed hereinabove in detail), however it is appreciated that the

attachment locations can just as well be male-type attachments, or a combination of male and female attachments. According to yet an example (not shown), one side of the carrying platform can be configured with male- type attachments, and an opposite side of the platform be configured with female-type attachments, wherein a used has the choice of attaching the platform to the harness system at an orientation of choice.

[00233] In Fig. 16A there is illustrated a utility module in the form of a wheeled carrying unit 464 (shown from a bottom side), similar to that disclosed in connection with Figs. 7A to 11B. The carrying unit 464 comprises a rigid platform 466 fitted at a top face thereof with a female/male attaching arrangement in accordance with the disclosure, such that any utility module according to the disclosure can be detachably attached thereto. Also provided is a telescopic manipulating handle 468 and a pair of wheels 466. The carrying unit can be fitted with a collapsible support plate configuring it into a pushcart (not shown).

[00234] Fig. 16B shows a utility assembly 276 comprising a wheeled base container 278 interlocked with a first intermediate container 280 mounted thereover (constituting a second stage of the assembly), and a second intermediate container 282 mounted thereover (constituting a third stage of the assembly 276), there being yet a fourth stage utility module container 284 mounted over the second intermediate container 282.

[00235] Whilst the second intermediate container 282 has a wider footprint than the first intermediate container 280, this does not constitute any difficulty as far as attaching it over the second intermediate container 282, and further, the top face of the second intermediate container 282 has a great surface suited for articulation thereof of several fourth stage utility modules (only one shown).

[00236] Fig. 17 shows a carrying bag 281 having soft side walls 283 (in the example illustrated made of fabric), however fitted with (integrally or detachable) an articulation platform base 284, said articulation platform made of a firm rigid material and is configured with four male-type coupling locations 288 of the type disclosed hereinabove. The carrying bag 281 has a carrying strap 290 useful for hand held or shoulder carrying of the bag.

[00237] Figure 18A shows a rigid coupling platform 300, configured with a plurality of female coupling locations (of the type disclosed herein) and further configured with bolt eyes 298 for securing to any desired surface, and carrying bars 313.

[00238] The coupling platform 300 can be attached for example to a truck bed 306 (Fig. 20), directly over the truck bed or over a cargo container attached to the truck. The coupling platform 300 can be attached to a wall, as in Fig. 18B, wherein a plurality of various utility modules can be articulated thereto. For example, utility modules can be an electric charger 315 of a power tool, a wall mounted sorting container 314, a hand tool rack 318 (Fig. 18C), a tool coupling adaptor 320 (Fig. 18C), etc.

[00239] In Fig. 19 there is illustrated a belt-mount 319 configured as a female coupler according to the disclosure, wherein a tool 321 or a bag/pouch configured with a male coupler can be detachably attached thereto.

[00240] In Fig. 21 there is illustrated a wall rack 326 comprising four utility modules in the form of articulation platforms 328 (mountable at different elevations about the wall supports 327) each configured for bearing and attaching thereto any utility module in accordance with the disclosure.

[00241] In Fig. 22 there is illustrated a mobile work stand 340 comprising a wheeled base 342 supporting two racks 344 with four utility modules in the form of articulation platforms 346 (mountable at different elevations about the wall supports 327) each configured for bearing and attaching thereto any utility module (e.g. containers 348) in accordance with the disclosure.

[00242] In Fig. 23 the utility module is in the form of a dolly 352 configured with wheels 354 and having a top surface configured with an array of female type couplings, as discussed.

[00243] In Fig. 24 there is illustrated a utility coupling platform 358 suited for articulation to any desired article (e.g. a bag, a tool, etc.). The utility coupling platform is configured at least at one face thereof with a male coupling locations 360 mimicking the coupling arrangement of the disclosure, rendering it suitable for articulation with a coupling system according to the disclosure.

WHAT IS CLAIMED IS:

1. A utility module assembly comprising:

a first utility module comprising:

a first female coupler extending from a first face of the first utility module, the first female coupler comprising two sidewalls, a back wall, and a first rib, the back wall extending between the two sidewalls, the first rib extending in a first direction above a surface of a depressed locking location; and

a second utility module comprising:

a first male coupler extending from a second face of the second utility module, the first male coupler comprising a tongue extending in a second direction opposite the first direction, the tongue of the second utility module is configured for arresting engagement between the first rib and the surface of the depressed locking location of the first utility module.

2. The utility module assembly of claim 1, wherein the first female coupler and the first male coupler engage when the first and second utility modules are slid along a sliding path defined by the first rib and the tongue.

3. The utility module assembly of claim 2, the first female coupler comprising a second rib that extends above the depressed locking location.

4. The utility module assembly of claim 3, wherein the first rib and the second rib extend from a rear portion of the depressed locking location substantially parallel to the sliding path.

5. The utility module assembly of claim 4, wherein the first rib extends from the back wall and a first sidewall of the two sidewalls, and the second rib extends from the back wall and a second sidewall of the two sidewalls opposite the first sidewall.

6. The utility module assembly of claim 1,

the first utility module further comprising:

a second male coupler extending from a second face of the first utility module, the second male coupler including a tongue that is offset from the second face of the first utility module and extending in the second direction, the tongue of the first utility module configured to engage a rib of a third utility module, the first and third utility modules entering an engaged position by the third utility module sliding with respect to the first utility module.

7. The utility module assembly of claim 1, wherein the first male coupler extends from a bottom face of the first utility module, and the first female coupler extends from a top face of the second utility module.

8. The utility module assembly of claim 1, wherein the first face comprises a plurality of depressed locking locations, one of which the first rib extends above, and wherein the plurality of depressed locking locations of the first face comprise at least 50% of an area of the first face.

9. The utility module assembly of claim 1, wherein the first utility module comprises a latch recess, and the second utility module comprises a latch received with the latch recess.

10. The utility module assembly of claim 1, wherein the first female coupler comprises a pair of locking ribs including the first rib, the pair of locking ribs extending along a sliding path along which the first female coupler and the first male coupler slide with respect to each other to become engaged.

11. The utility module assembly of claim 10, wherein the first rib of the pair of locking ribs extends from the back wall 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.

12. The utility module assembly of claim 1, wherein the first utility module comprises a plurality of female couplers including the first female coupler, each of the plurality of female couplers extending from a first face of the first utility module, and each of the plurality of female couplers comprising two sidewalls, a back wall, and a first rib, the back wall extending between

the two sidewalls, the first rib extending above a surface of a depressed locking location.

13. The utility module assembly of claim 1, wherein the second utility module comprises a plurality of male couplers including the first male coupler, each of the plurality of male couplers extending from the second face of the second utility module, each of the plurality of male couplers comprising a tongue configured for arresting engagement between the first rib and the surface of the depressed locking location of the first utility module.

14. A platform for a stackable utility module configured to engage a female coupler on an adjacent utility module comprising:

a first male coupler configured to arrestingly engage a space between a locking rib of the female coupler and a depressed surface of the female coupler, the first male coupler comprising:

at least one locking tongue extending along a sliding path in a second direction opposite a first direction that the locking rib of the female coupler extends.

15. The platform of claim 14, the first male coupler comprising:

a central body that extends downward from the platform;

wherein the at least one locking tongue comprises:

a first locking tongue offset from the platform that protrudes from the central body in a third direction; and

a second locking tongue offset from the platform that protrudes from the central body in a fourth direction opposite the third direction.

16. The platform of claim 15, wherein the first locking tongue extends from a front of the first male coupler a first distance that is more than twice as far as the first locking tongue protrudes from the central body, and wherein the second locking tongue extends from the front of the first male coupler a second distance that is more than twice as far as the second locking tongue protrudes from the central body.

17. The platform of claim 14, wherein the platform comprises a plurality of male couplers including the first male coupler, each of the plurality of male couplers comprising at least one locking tongue, the at least one locking tongue configured for arresting engagement with the locking rib of the female coupler.

18. A male coupler for a stackable utility module configured to engage a female coupler on an adjacent utility module comprising:

a protrusion configured with at least one locking tongue extending along a sliding path in a second direction opposite a first direction that a locking rib of the female coupler extends, the at least one locking tongue configured for arresting engagement between a locking rib of the female coupler and a depressed surface of the female coupler.

19. The male coupler of claim 18 further comprising a central body, wherein the at least one locking tongue comprises:

a first locking tongue that protrudes from the central body in a third direction; and

a second locking tongue that protrudes from the central body in a fourth direction opposite the third direction.

20. The male coupler of claim 19, wherein the first locking tongue extends from a front of the male coupler a first distance that is more than twice as far as the first locking tongue protrudes from the central body, and wherein the second locking tongue extends from the front of the male coupler a second distance that is more than twice as far as the second locking tongue protrudes from the central body.

ABSTRACT

The present disclosure concerns a coupling mechanism for detachably attaching two or more utility modules to one another, utility assembles, mobile carriers and other attachable modules and articles.

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: UTILITY ASSEMBLY AND COUPLING MECHANISM

This declaration and assignment is directed to:

☐ The attached or filed herewith application of (list of named inventors)_____,

or

☒ The United States application or PCT international application Number 15/826,232 filed on November 29, 2017.

Declaration

As the below named inventor, I hereby declare that:

The above-identified application ("Application") was made or authorized by me.

I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application.

I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this Application in the United States of America.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both for filings of this Application in the United States of America.

Assignment

MILWAUKEE ELECTRIC TOOL CORPORATION
13135 West Lisbon Road
Brookfield, WI 53005

a Delaware Corporation

(hereinafter designated as the "Assignee"),

☐ I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assignee which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:

or

☒ For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee:

my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would

have been held and enjoyed by me had this assignment and sale not been made.

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

LEGAL NAME OF INVENTOR

Grant T. Squiers

Signature _____ Date 9.5.18

Klein Tools Ex. 1002, Page 467 of 503

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: UTILITY ASSEMBLY AND COUPLING MECHANISM

This declaration and assignment is directed to:

☐ The attached or filed herewith application of (list of named inventors) _____,

or

☒ The United States application or PCT international application Number 15/826,232 filed on November 29, 2017.

Declaration

As the below named inventor, I hereby declare that:

The above-identified application ("Application") was made or authorized by me.

I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application.

I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this Application in the United States of America.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both for filings of this Application in the United States of America.

Assignment

MILWAUKEE ELECTRIC TOOL CORPORATION
13135 West Lisbon Road
Brookfield, WI 53005

a Delaware Corporation

(hereinafter designated as the "Assignee"),

☐ I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assignee which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:

or

☒ For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee:

my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would

have been held and enjoyed by me had this assignment and sale not been made.

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

LEGAL NAME OF INVENTOR

Christopher S. Hoppe

Signature

Date

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: UTILITY ASSEMBLY AND COUPLING MECHANISM

This declaration and assignment is directed to:

☐ The attached or filed herewith application of (list of named inventors)_____.

or

☑ The United States application or PCT international application Number 15/826,232 filed on November 29, 2017.

Declaration

As the below named inventor, I hereby declare that:

The above-identified application ("Application") was made or authorized by me.

I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application.

I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this Application in the United States of America.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both for filings of this Application in the United States of America.

Assignment

MILWAUKEE ELECTRIC TOOL CORPORATION
13135 West Lisbon Road
Brookfield, WI 53005

a Delaware Corporation

(hereinafter designated as the "Assignee"),

☐ I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assignee which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:

or

☒ For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee:

my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would

have been held and enjoyed by me had this assignment and sale not been made.

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

LEGAL NAME OF INVENTOR

Steven W. Hynds

Signature

9/5/18

Date

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention: UTILITY ASSEMBLY AND COUPLING MECHANISM

As a below named inventor, I hereby declare that:

This declaration is directed to the application

☐ attached hereto, or

☒ United States application or PCT International Application No. 15/826,232 filed on November 29, 2017

The above-identified application was made by me or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR § 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Legal Name of Inventor

Inventor: **Yaron BRUNNER** Date: 4/04/18

Signature: _____

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation et al.
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	To Be Determined
Filing Date:	June 7, 2023
Examiner:	To Be Determined
Art Unit:	To Be Determined
Confirmation Number:	To Be Determined

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 cited by or submitted to the United States Patent & Trademark Office ("USPTO") in parent application Serial No. 18/051,749, filed November 1, 2022. As provided in 37 CFR §1.98(d), copies of documents previously cited in the above-identified patent application are not being provided since they were previously submitted to the USPTO in the above-identified patent application or in a prior related application. Otherwise, copies of each newly cited non-U.S. patent document (if any) and each newly cited non-patent document (if any) are being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

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.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b)(1), within three (3) months of the filing date of the application.

RELEVANCE OF EACH DOCUMENT

The relevance of the foreign-language document is shown in the figures of the foreign-language documents and/or are described in the English-language abstract submitted in the parent application, where available. An English non-machine translation of the foreign-language document is not readily available. However, the absence of such translation does not relieve the PTO from its duty to consider the submitted foreign language document (37 CFR §1.98 and MPEP §609).

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 7, 2023

By /Derek H. Campbell/

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

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

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 7, 2023

(use as many sheets as necessary)

Sheet | 1 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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	495,537	04-18-1893	Westerman	
	A2	509,839	11-28-1893	Bowley	
	A3	1,081,378	12-16-1913	Freeman	
	A4	1,084,360	01-13-1914	Rahm	
	A5	2,042,387	05-26-1936	COBB DAVID F	
	A6	2,103,106	12-21-1937	Yurkovitch	
	A7	2,124,541	07-26-1938	Cassey	
	A8	2,210,235	08-06-1940	Filbert	
	A9	2,372,845	04-03-1945	Nelson	
	A10	2,386,343	10-09-1945	Regenhardt	
	A11	2,430,200	11-04-1947	Wilson Winfred E.	
	A12	2,588,009	03-04-1952	Jones	
	A13	2,733,076	01-31-1956	Burnett	
	A14	2,939,613	06-07-1960	Herman et al.	
	A15	2,970,358	02-07-1961	E. C. Elsner	
	A16	3,117,692	01-14-1964	Carpenter et al.	
	A17	3,225,865	12-28-1965	J. W. Downey	
	A18	3,370,236	02-20-1968	Walker	
	A19	3,423,786	01-28-1969	Arias, Jr. et al.	
	A20	3,424,334	01-28-1969	Goltz	
	A21	3,506,321	04-14-1970	Hampel	
	A22	3,514,170	05-26-1970	Shewchuk	
	A23	3,552,817	01-05-1971	Marcolongo	
	A24	3,567,298	03-02-1971	Ambaum et al.	
	A25	3,685,866	08-22-1972	Patenaude	
	A26	3,743,372	07-03-1973	Ruggerone	
	A27	3,835,623	09-17-1974	Kline	
	A28	3,851,936	12-03-1974	Muller	
	A29	3,935,613	02-03-1976	Kaneko	
	A30	3,974,898	08-17-1976	Tullis 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.

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.**

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 7, 2023

(use as many sheets as necessary)

Sheet | 2 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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	3,999,818	12-28-1976	Schankler	
	A32	4,122,925	10-31-1978	Schultheiss	
	A33	4,168,076	09-18-1979	Johnson	
	A34	4,243,279	01-06-1981	Ackeret	
	A35	4,303,367	12-01-1981	Bott	
	A36	4,564,732	01-14-1986	Lancaster et al.	
	A37	4,660,725	04-28-1987	Fishman et al.	
	A38	4,673,070	06-16-1987	Ambal	
	A39	4,735,107	04-05-1988	Winkie	
	A40	4,805,859	02-21-1989	Hudson	
	A41	4,817,237	04-04-1989	Murphy	
	A42	4,929,973	05-29-1990	Nakatani	
	A43	4,971,201	11-20-1990	Sathre	
	A44	5,035,389	07-30-1991	Wang	
	A45	5,035,445	07-30-1991	Poulin	
	A46	5,098,235	03-24-1992	Svetlik et al.	
	A47	5,105,947	04-21-1992	Wise, Thomas W.	
	A48	5,154,291	10-13-1992	Sur	
	A49	5,240,264	08-31-1993	Williams	
	A50	5,282,554	02-01-1994	Thomas	
	A51	5,301,829	04-12-1994	Chrisco	
	A52	5,325,966	07-05-1994	Chang	
	A53	5,356,038	10-18-1994	Banks	
	A54	5,356,105	10-18-1994	Andrews	
	A55	5,375,709	12-27-1994	Petro	
	A56	5,429,235	07-04-1995	Chen	
	A57	5,429,260	07-041995	Vollers; Gary L.	
	A58	5,433,416	07-18-1995	Johnson	
	A59	5,454,634	10-03-1995	Herbst et al.	
	A60	5,538,213	07-23-1996	Brown Office Systems Inc.	
	A61	5,595,228	01-21-1997	Meisner et al.	
	A62	5,608,603	03-04-1997	Su	

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.

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

Substitute for form 1449/PTO				***Complete if Known***	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	To be determined
Date Submitted: June 7, 2023				**Filing Date**	June 7, 2023
				First Named Inventor	Yaron Brunner
(use as many sheets as necessary)				Art Unit	To be determined
				Examiner Name	To be determined
Sheet	3	of	22	Attorney Docket Number	066749-3925

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
	A63	5,622,296	04-22-1997	Pirhonen et al.	
	A64	5,628,443	05-13-1997	Deutsch	
	A65	5,653,366	08-05-1997	Liserre	
	A66	5,664,292	09-09-1997	Chen	
	A67	5,775,046	07-07-1998	Fanger et al.	
	A68	5,797,617	08-25-1998	Lin Shiou Chang	
	A69	5,850,996	12-22-1998	Liang	
	A70	5,890,613	04-06-1999	Williams	
	A71	5,906,381	05-25-1999	Hovatter	
	A72	5,951,037	09-14-1999	Hsieh Hung-Ching	
	A73	5,957,421	09-28-1999	Barbour	
	A74	5,988,473	11-23-1999	Hagan et al.	
	A75	6,036,071	03-14-2000	Hartmann et al.	
	A76	6,050,660	04-18-2000	Gurley	
	A77	6,082,539	07-04-2000	Lee	
	A78	6,082,687	07-04-2000	Kump et al.	
	A79	6,085,925	07-11-2000	Chung	
	A80	6,098,858	08-08-2000	Laugesen	
	A81	6,109,627	08-29-2000	Sung Hoan Be	
	A82	6,123,344	09-26-2000	Clegg	
	A83	6,131,926	10-17-2000	Harlan	
	A84	6,176,559	01-23-2001	Tiramani et al.	
	A85	6,305,498	10-23-2001	Itzkovitch	
	A86	6,311,881	11-06-2001	Kamiya	
	A87	6,347,847	02-19-2002	Tiramani et al.	
	A88	6,354,759	03-12-2002	Leicht	
	A89	6,367,631	04-09-2002	Steigerwald	
	A90	6,371,320	04-16-2002	Sagol	
	A91	6,371,321	04-16-2002	Lee	
	A92	6,371,424	04-16-2002	Shaw	
	A93	6,431,580	08-13-2002	Darren J. Kady	
	A94	6,497,395	12-24-2002	Croker	

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.

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 7, 2023

(use as many sheets as necessary)

Sheet 4 of 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A95	6,547,347	04-15-2003	Saito; Yoshiyuki	
	A96	6,601,930	08-05-2003	Tiramani et al.	
	A97	6,619,772	09-16-2003	Dierbeck	
	A98	6,637,707	10-28-2003	Gates; George D.	
	A99	6,641,013	11-04-2003	Oise	
	A100	6,666,362	12-23-2003	LeTrudet	
	A101	6,889,838	05-10-2005	Meier et al.	
	A102	6,945,546	09-20-2005	Edward G. Guirlinger	
	A103	6,948,691	09-27-2005	Brock et al.	
	A104	6,983,946	01-10-2006	Sullivan et al.	
	A105	7,007,903	03-07-2006	Turner	
	A106	7,044,484	05-16-2006	Wang	
	A107	7,066,475	06-27-2006	Bret E. Barnes	
	A108	7,077,372	07-18-2006	Moran	
	A109	7,090,085	08-15-2006	Vicendese et al.	
	A110	7,121,417	10-17-2006	Magnusson et al.	
	A111	7,147,243	12-12-2006	Darren Kady	
	A112	7,152,752	12-26-2006	Kurtenbach	
	A113	7,172,164	02-06-2007	Fueling et al.	
	A114	7,219,969	05-22-2007	Bezzubov	
	A115	7,263,742	09-04-2007	Guido Valentini	
	A116	7,350,648	04-01-2008	Gerstner et al.	
	A117	7,367,571	05-06-2008	Nichols	
	A118	7,416,193	08-26-2008	Barnett	
	A119	7,503,569	03-17-2009	Duvigneau	
	A120	7,658,887	02-09-2010	Hovatter	
	A121	7,690,856	04-06-2010	Mortensen	
	A122	7,757,913	07-20-2010	Fichera	
	A123	7,779,764	08-24-2010	NAIDU et al.	
	A124	7,780,026	08-24-2010	Zuckerman	
	A125	7,837,165	11-23-2010	Stone	
	A126	7,841,144	11-30-2010	Pervan; Darko	

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.

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 7, 2023

(use as many sheets as necessary)

Sheet 5 of 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A127	8,028,845	10-04-2011	Himes	
	A128	8,132,819	03-13-2012	Landau; Eitan	
	A129	8,177,463	05-15-2012	Walker; Peter J	
	A130	8,191,910	06-05-2012	Landau et al.	
	A131	8,292,244	10-23-2012	Okada	
	A132	8,448,829	05-28-2013	Watanabe	
	A133	8,454,033	06-04-2013	Tsai	
	A134	8,459,495	06-11-2013	Koenig; Andreas	
	A135	8,505,729	08-13-2013	Sosnovsky et al.	
	A136	8,567,796	10-29-2013	Bar-Erez et al.	
	A137	8,590,704	11-26-2013	Koenig et al.	
	A138	8,602,217	12-10-2013	Sosnovsky et al.	
	A139	8,640,913	02-04-2014	Berendes	
	A140	8,657,307	02-25-2014	Lifshitz	
	A141	8,677,661	03-25-2014	Michels; Markus	
	A142	8,689,396	04-08-2014	Melvin E. Wolfe	
	A143	8,714,355	05-06-2014	Huang	
	A144	8,813,960	08-26-2014	Fjelland; Douglas J.	
	A145	8,851,282	10-07-2014	Brunner	
	A146	8,875,888	11-04-2014	Koenig; Andreas	
	A147	8,894,160	11-25-2014	Christensen	
	A148	8,925,752	01-06-2015	Smith	
	A149	8,974,139	03-10-2015	Saul	
	A150	8,979,100	03-17-2015	Bensman et al.	
	A151	8,985,922	03-24-2015	Neumann	
	A152	9,132,543	09-15-2015	Bar-Erez; Sharon	
	A153	9,506,489	11-29-2016	Ko	
	A154	9,511,491	12-06-2016	Brunner	
	A155	9,551,367	01-24-2017	Shieh	
	A156	9,566,990	02-14-2017	Bar-Erez; Sharon	
	A157	9,616,562	04-11-2017	Hoppe; Christopher S.	
	A158	9,643,629	05-09-2017	The Stanley Works Israel Ltd.	

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.

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 7, 2023

(use as many sheets as necessary)

Sheet 6 of 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A159	9,701,443	07-11-2017	Wang; Tzu-Chien	
	A160	9,725,209	08-08-2017	Ben-Gigi	
	A161	9,776,651	10-03-2017	Huang	
	A162	9,850,029	12-26-2017	Brunner	
	A163	9,872,562	01-23-2018	Brunner; Yaron	
	A164	9,888,752	02-13-2018	Den Boer et al.	
	A165	10,017,134	07-10-2018	Pickens et al.	
	A166	10,106,180	10-23-2018	Bar-Erez et al.	
	A167	10,222,172	03-05-2019	Melville	
	A168	10,406,387	09-10-2019	Krepel et al.	
	A169	10,434,638	10-08-2019	Tsai	
	A170	10,583,962	03-10-2020	Brunner et al.	
	A171	10,603,783	03-31-2020	Brocket et al.	
	A172	10,703,534	07-07-2020	Brunner et al.	
	A173	10,750,833	08-25-2020	Burchia	
	A174	10,758,065	09-01-2020	Penalver, Jr.	
	A175	10,793,172	10-06-2020	Brunner	
	A176	10,829,269	11-10-2020	Gonitianer et al.	
	A177	10,894,314	01-19-2021	Hocine et al.	
	A178	10,933,501	03-02-2021	Bisson	
	A179	10,962,218	03-30-2021	Plato et al.	
	A180	10,981,696	04-20-2021	Brunner et al.	
	A181	11,008,136	05-18-2021	Brunner et al.	
	A182	11,027,883	06-08-2021	Brunner et al.	
	A183	11,059,631	07-13-2021	Brunner et al.	
	A184	11,066,089	07-20-2021	Brunner	
	A185	11,155,382	10-26-2021	Cai	
	A186	11,230,410	01-25-2022	Brunner	
	A187	11,283,117	03-22-2022	Polakowski et al.	
	A188	11,338,959	05-24-2022	Hoppe et al.	
	A189	11,385,055	07-12-2022	Millane	
	A190	11,426,859	08-30-2022	Squiers 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.

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.

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 7, 2023

(use as many sheets as necessary)

Sheet | 7 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A191	11,464,335	10-11-2022	Brunner et al.	
	A192	11,510,486	11-29-2022	Adams	
	A193	11,529,985	12-20-2022	Brunner et al.	
	A194	11,554,898	01-17-2023	Brunner et al.	
	A195	2002/0000440	01-03-2002	Sagal et al.	
	A196	2002/0030425	03-14-2002	Tiramani et al.	
	A197	2002/0125072	09-12-2002	Levy	
	A198	2002/0171228	11-21-2002	Kady	
	A199	2003/0075468	04-24-2003	Story et al.	
	A200	2003/0094392	05-22-2003	Meier et al.	
	A201	2003/0094393	05-22-2003	Sahm, III	
	A202	2003/0115715	06-26-2003	Guido Valentini	
	A203	2003/0146589	08-07-2003	Jarko et al.	
	A204	2003/0184034	10-02-2003	Pfeiffer	
	A205	2003/0205877	11-06-2003	Verna et al.	
	A206	2004/0074725	04-22-2004	Shih	
	A207	2004/0103494	06-03-2004	Valentini	
	A208	2004/0149754	08-05-2004	Diamant	
	A209	2004/0195793	10-07-2004	Sullivan, Hugh C., et al.	
	A210	2004/0206656	10-21-2004	Dubois et al.	
	A211	2004/0256529	12-23-2004	Richter	
	A212	2005/0015928	01-27-2005	Arsenault et al.	
	A213	2005/0062244	03-24-2005	Guirlinger	
	A214	2005/0104308	05-19-2005	Barnes	
	A215	2005/0139745	06-30-2005	Liao, Chi-Cheng	
	A216	2005/0242144	11-03-2005	Panosian et al.	
	A217	2006/0006770	01-12-2006	Valentini	
	A218	2006/0027475	02-09-2006	Gleason et al.	
	A219	2006/0038367	02-23-2006	Ferraro; Frank A.	
	A220	2006/0076261	04-13-2006	Kurtenbach	
	A221	2006/0119060	06-08-2006	Sullivan et al.	
	A222	2006/0165482	07-27-2006	Olberding	

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.**

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 7, 2023

(use as many sheets as necessary)

Sheet | 8 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A223	2006/0186624	08-24-2006	Kady, Darren	
	A224	2006/0254946	11-16-2006	Becklin	
	A225	2007/0006542	01-11-2007	Duke	
	A226	2007/0045505	03-01-2007	Chen	
	A227	2007/0068757	03-29-2007	Tan	
	A228	2007/0090616	04-26-2007	Tompkins	
	A229	2007/0138041	06-21-2007	Welsh	
	A230	2007/0145700	06-28-2007	Ambrose et al.	
	A231	2007/0194543	08-23-2007	Duvigneau	
	A232	2007/0273114	11-29-2007	Katz	
	A233	2008/0060953	03-13-2008	Ghassan	
	A234	2008/0104921	05-08-2008	Pervan; Darko	
	A235	2008/0115312	05-22-2008	DiPasquale et al.	
	A236	2008/0121547	05-29-2008	Dur et al.	
	A237	2008/0134607	06-12-2008	Pervan; Darko	
	A238	2008/0169667	07-17-2008	Siniarski et al.	
	A239	2008/0169739	07-17-2008	Goldenberg; Ruth	
	A240	2008/0271280	11-06-2008	FUCHS FRANK et al.	
	A241	2008/0277221	11-13-2008	Josefson; Mark L.	
	A242	2008/0280523	11-13-2008	Bishop	
	A243	2008/0296443	12-04-2008	Lunitz et al.	
	A244	2008/0308369	12-18-2008	Louis; Robert D.	
	A245	2009/0026901	01-29-2009	Nies, III et al.	
	A246	2009/0044827	02-19-2009	Zilber et al.	
	A247	2009/0071990	03-19-2009	Jardine et al.	
	A248	2009/0127146	05-21-2009	Krebs et al.	
	A249	2009/0145790	06-11-2009	Panosian; Michael Harmik	
	A250	2009/0145866	06-11-2009	Panosian et al.	
	A251	2009/0145913	06-11-2009	Panosian et al.	
	A252	2009/0178946	07-16-2009	Patstone et al.	
	A253	2009/0236482	09-24-2009	SS3 Storage Systems LLC	
	A254	2009/0288970	11-26-2009	Katz 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.

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.**

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 7, 2023

(use as many sheets as necessary)

Sheet 9 of 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A255	2010/0052276	03-04-2010	Brunner	
	A256	2010/0139566	06-10-2010	Lopuszanski, Michel	
	A257	2010/0147642	06-17-2010	Andochick; Scott E.	
	A258	2010/0176261	07-15-2010	Chen et al.	
	A259	2010/0219193	09-02-2010	Becklin	
	A260	2010/0224528	09-09-2010	Madsen	
	A261	2010/0254757	10-07-2010	Saul	
	A262	2011/0049824	03-03-2011	Bar-Erez et al.	
	A263	2011/0073516	03-31-2011	Zelinskiy; Konstantin	
	A264	2011/0127736	06-02-2011	Oliver	
	A265	2011/0139665	06-16-2011	Madsen	
	A266	2011/0139777	06-16-2011	Sosnovsky et al.	
	A267	2011/0155613	06-30-2011	Koenig, Andreas et al.	
	A268	2011/0181008	07-28-2011	BENSMAN;MARK	
	A269	2011/0220531	09-15-2011	Meether et al.	
	A270	2011/174939	07-21-2013	Parts Express International Inc.	
	A271	2012/0073995	03-29-2012	Parker	
	A272	2012/0074022	03-29-2012	McTavish et al.	
	A273	2012/0074158	03-29-2012	Lafleur	
	A274	2012/0080432	04-05-2012	Bensman et al.	
	A275	2012/0152944	06-21-2012	Vilkomirski et al.	
	A276	2012/0160886	06-28-2012	Henny Paul et al.	
	A277	2012/0180250	07-19-2012	KAERCHER GMBH AND CO ALFRED KG	
	A278	2012/0207571	08-16-2012	Scott, Charles Shay	
	A279	2012/0292213	11-22-2012	Brunner	
	A280	2012/0326406	12-27-2012	LIFSHITZ; Omri	
	A281	2013/0024468	01-24-2013	Kocsis, Susan C.	
	A282	2013/0031731	02-07-2013	KAERCHER GMBH AND CO ALFRED KG	
	A283	2013/0031732	02-07-2013	KAERCHER GMBH AND CO ALFRED KG	
	A284	2013/0068903	03-21-2013	Peerless Ind Inc.	

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.**

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 7, 2023

(use as many sheets as necessary)

Sheet | 10 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A285	2013/0121783	05-16-2013	Kelly; Thomas P.	
	A286	2013/0127129	05-23-2013	Bensman, Mark et al.	
	A287	2013/0146551	06-13-2013	Electrolux Home Prod Inc.	
	A288	2013/0154218	06-20-2013	TIILIKAINEN	
	A289	2013/0206139	08-15-2013	Krepel et al.	
	A290	2013/0223971	08-29-2013	Grace IV, Robert W.	
	A291	2014/0062042	03-06-2014	Wagner et al.	
	A292	2014/0069832	03-13-2014	Roehm	
	A293	2014/0076759	03-20-2014	ROEHM et al.	
	A294	2014/0123478	05-08-2014	Gylander et al.	
	A295	2014/0161518	06-12-2014	KO	
	A296	2014/0166516	06-19-2014	Martinez; Mark R.	
	A297	2014/0197059	07-17-2014	Evans et al.	
	A298	2015/0014949	01-15-2015	Dittman	
	A299	2015/0034515	02-05-2015	Monyak et al.	
	A300	2015/0151427	06-04-2015	Ben-Gigi	
	A301	2015/0274362	10-01-2015	CHRISTOPHER et al.	
	A302	2015/0310842	10-29-2015	Coburn et al.	
	A303	2015/0376917	12-31-2015	Brunner	
	A304	2016/0023349	01-28-2016	Milwaukee Electric Tool Corporation	
	A305	2016/0130034	05-12-2016	Kuhls; Timo	
	A306	2016/0144500	05-26-2016	CHEN; KUN-CHEN	
	A307	2016/0168880	06-16-2016	Phelan; Matthew	
	A308	2016/0213115	07-28-2016	Gonitianer et al.	
	A309	2016/0221177	08-04-2016	Reinhart	
	A310	2017/0121056	05-04-2017	Wang; Tzu-Chien	
	A311	2017/0138382	05-18-2017	Ko	
	A312	2017/0158216	06-08-2017	Yahav et al.	
	A313	2017/0165828	06-15-2017	Festool GmbH	
	A314	2017/0166352	06-15-2017	Hoppe; Christopher S.	
	A315	2017/0174392	06-22-2017	De Loynes	

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.**

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 7, 2023

(use as many sheets as necessary)

Sheet | 11 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A316	2017/0217464	08-03-2017	Bar-erez et al.	
	A317	2017/0239808	08-24-2017	Hoppe; Christopher S.	
	A318	2017/0257958	09-07-2017	The Stanley Works Israel Ltd.	
	A319	2017/0266804	09-21-2017	Kinskey	
	A320	2017/0318927	11-09-2017	Krause et al.	
	A321	2017/0349013	12-07-2017	GRONHOLM	
	A322	2018/0044059	02-15-2018	BRUNNER; Yaron	
	A323	2018/0099405	04-12-2018	Reinhart	
	A324	2018/0127007	05-10-2018	Kravchenko	
	A325	2018/0153312	06-07-2018	Buck James et al.	
	A326	2018/0161975	06-14-2018	Brunner; Yaron	
	A327	2018/0186513	07-05-2018	Brunner	
	A328	2018/0213934	08-02-2018	Wolle et al.	
	A329	2018/0220758	08-09-2018	Rothenberger AG	
	A330	2018/0229889	08-16-2018	Li	
	A331	2018/0290288	10-11-2018	BRUNNER; Yaron	
	A332	2019/0001482	01-03-2019	Wolle et al.	
	A333	2019/0002004	01-03-2019	BRUNNER; Yaron	
	A334	2019/0031222	01-31-2019	TAKYAR et al.	
	A335	2019/0039781	02-07-2019	Kogel	
	A336	2019/0106244	04-11-2019	Brunner et al.	
	A337	2019/0168376	06-06-2019	Brocket et al.	
	A338	2019/0225371	07-25-2019	Hoppe et al.	
	A339	2020/0029543	01-30-2020	Householder	
	A340	2020/0055534	02-20-2020	HASSELL	
	A341	2020/0078929	03-12-2020	Liu	
	A342	2020/0147781	05-14-2020	Squiers et al.	
	A343	2020/0165036	05-28-2020	Squiers et al.	
	A344	2020/0223585	07-16-2020	Brunner et al.	
	A345	2020/0243925	07-30-2020	Polakowski et al.	
	A346	2020/0299027	09-24-2020	Brunner et al.	
	A347	2020/0346819	11-05-2020	Kogel 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.

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.**

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 7, 2023

(use as many sheets as necessary)

Sheet | 12 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A348	2020/0383507	12-10-2020	Cox	
	A349	2021/0025706	01-28-2021	Millane	
	A350	2021/0031975	02-04-2021	Brunner et al.	
	A351	2021/0039831	02-11-2021	Brunner et al.	
	A352	2021/0094600	04-01-2021	Brunner et al.	
	A353	2021/0104909	04-08-2021	Mantych	
	A354	2021/0104914	04-08-2021	Cholst	
	A355	2021/0154824	05-27-2021	Barton	
	A356	2021/0155373	05-27-2021	Cai	
	A357	2021/0187725	06-24-2021	Brunner	
	A358	2021/0221561	07-22-2021	Davidian et al.	
	A359	2021/0267368	09-02-2021	Bruins	
	A360	2021/0316909	10-14-2021	Vargo et al.	
	A361	2021/0360803	11-18-2021	Semon et al.	
	A362	2022/0117393	04-21-2022	Jenkins et al.	
	A363	2022/0240671	08-04-2022	Blumenthal et al.	
	A364	2022/0258324	08-18-2022	Blumenthal et al.	
	A365	2022/0369781	11-24-2022	Brunner et al.	
	A366	2022/0402113	12-22-2022	Brunner et al.	
	A367	2023/0027343	01-26-2023	Zheng et al.	
	A368	2023/0036215	02-02-2023	Williams et al.	
	A369	D232,798	09-17-1974	Roche et al.	
	A370	D285,986	10-07-1986	Huang	
	A371	D319,016	08-13-1991	Kahl	
	A372	D325,324	04-14-1992	Kahl	
	A373	D326,815	06-09-1992	Meisner et al.	
	A374	D340,167	10-12-1993	Kahl	
	A375	D352,208	11-08-1994	Brookshire	
	A376	D361,511	08-22-1995	Dickinson et al.	
	A377	D395,533	06-23-1998	Morison et al.	
	A378	D415,393	10-19-1999	Kei	
	A379	D420,860	02-22-2000	Golichowski 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.

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.**

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 7, 2023

(use as many sheets as necessary)

Sheet | 13 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A380	D437,484	02-13-2001	Tiramani et al.	
	A381	D437,669	02-13-2001	BLASON et al.	
	A382	D456,972	05-07-2002	BLASON et al.	
	A383	D525,789	08-01-2006	Hosking	
	A384	D527,225	08-29-2006	Krieger et al.	
	A385	D536,580	02-13-2007	Krieger et al.	
	A386	D630,851	01-18-2011	Landau et al.	
	A387	D649,350	11-29-2011	Shitrit	
	A388	D649,783	12-06-2011	Brunner	
	A389	D653,832	02-07-2012	Vilkomirski et al.	
	A390	D661,858	06-12-2012	Lifshitz et al.	
	A391	D663,952	07-24-2012	CREVLING et al.	
	A392	D664,354	07-31-2012	CREVLING et al.	
	A393	D668,869	10-16-2012	Yamamoto et al.	
	A394	D674,605	01-22-2013	Vilkomirski et al.	
	A395	D701,696	04-01-2014	Shitrit et al.	
	A396	D738,105	09-08-2015	Shitrit	
	A397	D738,106	09-08-2015	Shitrit	
	A398	D738,622	09-15-2015	Sabbag et al.	
	A399	D753,394	04-12-2016	Brunner	
	A400	D753,395	04-12-2016	Brunner	
	A401	D753,396	04-12-2016	Brunner	
	A402	D753,982	04-19-2016	Guirlinger	
	A403	D765,974	09-13-2016	Tonelli et al.	
	A404	D770,179	11-01-2016	Menirom	
	A405	D777,426	01-31-2017	Dahl	
	A406	D784,089	04-18-2017	Furneaux et al.	
	A407	D790,221	06-27-2017	Yahav et al.	
	A408	D803,631	11-28-20017	Min et al.	
	A409	D806,483	01-02-2018	Stanford et al.	
	A410	D814,187	04-03-2018	Caglar	
	A411	D815,831	04-24-2018	Tonelli	

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.**

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 7, 2023

(use as many sheets as necessary)

Sheet | 14 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A412	D816,334	05-01-2018	Brunner	
	A413	D826,510	08-21-2018	Brunner	
	A414	D828,671	09-11-2018	COPE et al.	
	A415	D831,352	10-23-2018	Brunner	
	A416	D833,744	11-20-2018	Yahav et al.	
	A417	D836,995	01-01-2019	Carey et al.	
	A418	D837,515	04-08-2019	Shpitzer	
	A419	D839,681	02-05-2019	Evron et al.	
	A420	D845,080	04-09-2019	Jacobsen	
	A421	D845,081	04-08-2019	Jacobsen	
	A422	D857,387	08-27-2019	Shpitzer	
	A423	D871,013	12-24-2019	LIU	
	A424	D873,085	01-21-2020	DeFrancia	
	A425	D876,833	03-03-2020	Brunner et al.	
	A426	D880,252	04-07-2020	Jacobsen	
	A427	D880,951	04-14-2020	Jacobsen	
	A428	D883,752	05-12-2020	Carey et al.	
	A429	D887,788	06-23-2020	Meda et al.	
	A430	D888,422	06-30-2020	Yang	
	A431	D888,503	06-30-2020	Meda et al.	
	A432	D891,193	06-28-2020	Stanford et al.	
	A433	D891,195	07-28-2020	Zhou	
	A434	D891,875	08-04-2020	Olson	
	A435	D892,565	08-11-2020	Astle et al.	
	A436	D895,375	09-08-2020	Hurley, Jr.	
	A437	D895,966	09-15-2020	Brunner et al.	
	A438	D895,967	09-15-2020	Brunner et al.	
	A439	D896,517	09-22-2020	Brunner et al.	
	A440	D896,518	09-22-2020	Brunner et al.	
	A441	D897,103	09-29-2020	Brunner et al.	
	A442	D898,320	10-06-2020	Brunner et al.	
	A443	D917,977	05-04-2021	Brunner 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.

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.**

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 7, 2023

(use as many sheets as necessary)

Sheet | 15 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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
	A444	D918,584	05-11-2021	Brunner et al.	
	A445	D919,296	05-18-2021	Brunner et al.	
	A446	D920,671	06-01-2021	Brunner et al.	
	A447	D923,935	07-06-2021	Brunner et al.	
	A448	D932,186	10-05-2021	Brunner et al.	
	A449	D936,030	11-16-2021	Lee et al.	
	A450	D941,020	01-18-2022	Brunner et al.	
	A451	D967,693	10-25-2022	Brunner	
	A452	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

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]
	A453	CN101068661	11-07-2007	BOSCH GMBH ROBERT		
	A454	CN102137795	07-27-2011	TTS ToolTechnic Systems AG		
	A455	CN102248523	11-23-2011	CHANGHONG HAN et al.		
	A456	CN102469899	05-23-2012	KAERCHER GMBH AND CO KG ALFRED		
	A457	CN102608238	07-25-2012	Zhengzhou Tobacco Res Cntc		
	A458	CN102834035	12-19-2012	KAERCHER GMBH AND CO ALFRED KG		
	A459	CN103118578	05-22-2013	KAERCHER GMBH AND CO ALFRED KG		
	A460	CN103659777	03-26-2014	Bosch GMBH Robert		
	A461	CN200947356	09-12-2007	FU GANG		

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.**

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 7, 2023

(use as many sheets as necessary)

Sheet | 16 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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]
	A462	CN204161752	02-18-2015	Meridian International Co Ltd		
	A463	CN2608238	03-31-2004	BAO JIANGANG		
	A464	CN302371147	03-27-2013	吉田攻一郎		
	A465	DE 202015005752	11-21-2016	PLASTON AG		
	A466	DE 202015105053	10-31-2016	AUER PACKAGING GMBH		
	A467	DE102004057870	06-01-2006	BOSCH GMBH ROBERT		
	A468	DE102010003754	10-13-2011	KAERCHER GMBH AND CO ALFRED KG		
	A469	DE102010003756	10-13-2011	KAERCHER GMBH AND CO ALFRED KG		
	A470	DE102012106482	01-23-2014	WAIGEL JOACHIM		
	A471	DE102012220837	05-15-2014	BOSCH GMBH ROBERT		
	A472	DE102015013053	04-13-2017	BURCHIA ROLF		
	A473	DE102015112204	02-16-2017	PERL MICHAEL		
	A474	DE19750543	05-20-1999	FESTO TOOLTECHNIC GMBH AND CO		
	A475	DE202011002617	04-28-2011	Bekuplast Kunststoffverarbeitungs-GmbH		
	A476	DE202014103695	10-30-2014	Metabowerke Gmbh		
	A477	DE20218996	03-06-2003	TTS TOOLTECHNIC SYSTEMS AG		
	A478	DE29708343	07-03-1997	FLIESEN RICHTER GMBH		
	A479	DE3510307	09-25-1986	SPIELHOFF HANS-PETER		
	A480	DE402018201520	05-11-2018	Dirk SCHLENZKA		
	A481	DE4415638	11-09-1995	Halm		
	A482	DE9313802	12-02-1993	TUNG I ENTERPRISE CO		
	A483	EM000705231-0001	04-12-2007	Terry Store-Age S.P.A.		
	A484	EM002419283-0001	03-06-2014	Keter Plastic Ltd.		
	A485	EP0916302	05-19-1999	FESTO TOOLTECHNIC GMBH AND CO		
	A486	EP1321247	06-25-2003	VALENTINI GUIDO		
	A487	EP1428764	06-16-2004	DUBOIS JEAN-MARC et al.		
	A488	EP1819487	08-22-2007	BOSCH GMBH ROBERT		

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.**

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 7, 2023

(use as many sheets as necessary)

Sheet | 17 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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]
	A489	EP2289671	03-02-2011	Stanley Works Israel		
	A490	EP2346741	07-27-2011	MADSEN JENS OLE		
	A491	EP2456341	05-30-2012	KAERCHER GMBH AND CO ALFRED KG		
	A492	EP2555660	02-13-2013	KAERCHER GMBH AND CO ALFRED KG		
	A493	EP2555661	02-13-2013	KAERCHER GMBH AND CO ALFRED KG		
	A494	EP2805799	11-23-2016	FLEISCHMANN BERND et al.		
	A495	EP3141354	03-15-2017	KOCH SIMON et al.		
	A496	GB2047181B	02-02-1983	REUNIS SA ATELIERS		
	A497	GB2110076	06-15-1983	Ostling Bernt et al.		
	A498	GB2330521	04-28-1999	SPOONER PAUL		
	A499	GB2406331	03-30-2005	JEFFRIES JULIAN CLIFFORD		
	A500	GB2413265	10-26-2005	THOMSON BRIAN		
	A501	GB2449934	12-10-2008	Protrend Co Ltd.		
	A502	GB694707	07-22-1953	GEORGE ARTHUR CHARD		
	A503	JP D1180963	08-04-2003	Name not in English		
	A504	JP D1455321	11-12-2012	Name not in English		
	A505	JP D1625407	02-25-2019	Name not in English		
	A506	JP1276744	07-18-2006	Hirofumi Kishimoto		
	A507	JP1477050	08-19-2013	Ryosuke Omachi		
	A508	JP2003194020A	07-09-2003	SUGIMURA ATSUAKI		
	A509	JP2013022972	02-04-2013	IZUMI DOI, HIDEKI NOMA, MASAYUKI NAKANISHI		
	A510	JP2013022976	02-04-2013	DAIFUKU KK		
	A511	JPD1395115	08-16-2010	Toyoharu Senda		
	A512	JPD1395116	08-16-2010	Toyoharu Senda		
	A513	JPD1503434	07-28-2014	Name not in English		
	A514	JPD1665028	08-03-2020	Keter Plastic LTD et al.		
	A515	KR 3008066040000	07-22-2015	Woojubon Co. LTD		

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.

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 7, 2023

(use as many sheets as necessary)

Sheet | 18 | of | 22

Complete if Known	
Application Number	To be determined
Filing Date	June 7, 2023
First Named Inventor	Yaron Brunner
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3925

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]
	A516	KR 3008496000000	04-15-2016	Hwang, Hyung Keun		
	A517	KR30-0271616	02-09-2000	Joong Chui Ahm		
	A518	KR30-0320243	06-10-2002	Joung Gu Kang		
	A519	KR3008422360000	03-02-2016	NPC Co., Ltd. HYUNDAI GLOVIS Co., Ltd.		
	A520	KR3008599650000	06-22-2016	NPC Co., Ltd.		
	A521	KR3008812960000	11-15-2016	NPC Co., Ltd.		
	A522	KR3009995990000	03-27-2019	Korea Container Pool Co, Ltd		
	A523	TW 206875	05-21-1993	Name not in English		
	A524	TW D192092	08-11-2018	Name not in English		
	A525	TW135074	06-01-2010	Yi Hua Wu		
	A526	TW168686	07-01-2015	Kang Delun Business Co., Ltd.		
	A527	TW174412	03-21-2016	Lee Hsin Chang		
	A528	TWI324578	05-11-2010	NAIDU VISHNU et al.		
	A529	WO07121745	11-01-2007	MADSEN JENS OLE		
	A530	WO07121746	11-01-2007	MADSEN JENS OLE		
	A531	WO09140965	11-26-2009	MADSEN JENS OLE		
	A532	WO11009480	01-27-2011	RICKLEFSEN DIRK et al.		
	A533	WO13026084	02-28-2013	VAN DER LINDE et al.		
	A534	WO14125488	08-21-2014	BRUNNER YARON		
	A535	WO17212840	12-14-2017	FURUTA YOSHIHISA		
	A536	WO2005/045886	05-19-2005	Brooks Automation, Inc.		
	A537	WO2007/121746	11-01-2007	J.O. MADSEN APS; MADSEN JENS OLE		
	A538	WO2007121745A1	11-01-2007	MADSEN JENS OLE		
	A539	WO2009/140965	11-26-2009	J.O. MADSEN APS; MADSEN JENS OLE		
	A540	WO2011/009480	01-27-2011	HENSEL MAIC; HESS STEFAN; KAERCHER GMBH & CO KG		
	A541	WO2013/026084	02-28-2013	CONNOR PAUL FRANCIS; DEMAIN TECHNOLOGY PTY LTD.		

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.**

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

Substitute for form 1449/PTO				***Complete if Known***	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	To be determined
Date Submitted: June 7, 2023				**Filing Date**	June 7, 2023
				First Named Inventor	Yaron Brunner
(use as many sheets as necessary)				Art Unit	To be determined
				Examiner Name	To be determined
Sheet	19	of	22	Attorney Docket Number	066749-3925

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]
	A542	WO2014/125488	08-21-2014	KETER PLASTIC LTD		
	A543	WO2016142935	09-15-2016	BRUNNER, Yaron et al.		
	A544	WO2017/212840	12-14-2017	GENESIS CO., LTD.		
	A545	WO2017028845	02-23-2017	ROTHENBERGER AG		
	A546	WO2017191628	11-09-2017	BRUNNER YARON		

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]
	A547	Inter Partes Review No. 2021-00373, "Petition for Inter Partes Review of U.S. Pat. No. 10,583,962," filed January 5, 2021, 198 pages.	
	A548	Exhibit 1001 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 64 pages.	
	A549	Exhibit 1002 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 75 pages.	
	A550	Exhibit 1003 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 13 pages.	
	A551	Exhibit 1004 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 18 pages.	
	A552	Exhibit 1005 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 9 pages.	
	A553	Exhibit 1006 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 176 pages.	
	A554	Exhibit 1007 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 22 pages.	
	A555	Exhibit 1008 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 6 pages.	

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.**

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

Substitute for form 1449/PTO				***Complete if Known***	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	To be determined
				Filing Date	June 7, 2023
Date Submitted: June 7, 2023				**First Named Inventor**	Yaron Brunner
				Art Unit	To be determined
(use as many sheets as necessary)				Examiner Name	To be determined
Sheet	20	of	22	Attorney Docket Number	066749-3925

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]
	A556	Exhibit 1009 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 24 pages.	
	A557	Exhibit 1010 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 19 pages.	
	A558	Exhibit 1011 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 26 pages.	
	A559	Exhibit 1012 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 3 pages.	
	A560	Exhibit 1013 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 168 pages.	
	A561	Exhibit 1014 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, PART A pages 1-166 of 481 pages.	
	A562	Exhibit 1014 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, PART B pages 167-320 of 481 pages.	
	A563	Exhibit 1014 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, PART C pages 321-481 of 481 pages.	
	A564	Exhibit 1015 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 6 pages.	
	A565	Exhibit 1016 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 242 pages.	
	A566	Exhibit 1017 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 6 pages.	
	A567	Exhibit 1018 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 250 pages.	
	A568	Exhibit 1019 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 44 pages.	

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.**

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

Substitute for form 1449/PTO				***Complete if Known***	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	To be determined
				Filing Date	June 7, 2023
Date Submitted: June 7, 2023				**First Named Inventor**	Yaron Brunner
				Art Unit	To be determined
(use as many sheets as necessary)				Examiner Name	To be determined
Sheet	21	of	22	Attorney Docket Number	066749-3925

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]
	A569	Exhibit 1020 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 5 pages.	
	A570	Exhibit 1021 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 1 page.	
	A571	Exhibit 1022 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 1 page.	
	A572	Exhibit 1023 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 24 pages.	
	A573	Exhibit 1024 in Petition for Inter Partes Review of U.S. Pat. No. 10,583,962, filed January 5, 2021, 28 pages.	
	A574	"Blitz Box – Portable Storage Box / Shelf," The Green Head Finds Cool New Stuff, https://www.thegreenhead.com/2013/03/blitz-box-portable-storage-box-shelf.php, Per Wayback, website dates back to February 15, 2015, 5 pages.	
	A575	"BluCave Universal Storage System," BATAVIA Tools to Build, https://batavia.eu/blucave-storage-system/, believed to be available at least as early as November 29, 2017, 5 pages.	
	A576	"Dewalt TSTAK Carrier Trolley," ITS, https://www.its.co.uk/pd/171229-Dewalt-TSTAK-Carrier-Trolley-_DEW171229.htm, Per Wayback, website dates back to May 2, 2015, 2 pages.	
	A577	"DeWalt TSTAK Vac Rack (Suits DW DWV902M & DWV900L) DWV9500-XJ," Get Tools Direct, https://www.gettoolsdirect.com.au/dewalt-tstak-vac-rack-suits-dwv902m-and-dwv900l-dwv9500-xj.html, believed to be available at least as early as November 29, 2017, 4 pages.	
	A578	"Hopkins FloTool 91002 Rhino Box with Mount," Amazon.com, https://www.amazon.com/exec/obidos/ASIN/B003K15F3I/20140000-20, believed to be available at least as early as November 29, 2017, 7 pages.	
	A579	"Tool Skool, TSTAK Phase 2 Upgrades | TSTAK Carts – First Look – Tool Skool," YouTube, September 7, 2013, https://www.youtube.com/watch?v=jb06y6J1dr4&feature=youtu.be&t=197, 1 page.	
	A580	Batavia Gmbh, BluCave Storage System, https://protect-us.mimecast.com/s/5XIGCR6KypcgJnlKi9EDoim?domain=batavia.eu, believed to be available at least as early as November 29, 2017, 7 pages.	
	A581	BluCave Video, https://www.youtube.com/watch?v=Sw7fQQPwoOtY&feature=youtu.be&t=32, believed to be available at least as early as November 29, 2017.	

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.**

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

Substitute for form 1449/PTO				***Complete if Known***	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	To be determined
				Filing Date	June 7, 2023
Date Submitted: June 7, 2023				**First Named Inventor**	Yaron Brunner
				Art Unit	To be determined
(use as many sheets as necessary)				Examiner Name	To be determined
Sheet	22	of	22	Attorney Docket Number	066749-3925

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]
	A582	International Search Report and Written Opinion for International Application No. PCT/IL2019/050689, dated August 23, 2019, 21 pages.	
	A583	International Search Report and Written Opinion for International Application No. PCT/US2018/033161, dated August 6, 2018, 14 pages.	
	A584	International Search Report and Written Opinion for International Application No. PCT/US2018/044629, dated January 9, 2019, 22 pages.	
	A585	International Search Report and Written Opinion for International Application No. PCT/US2019/014940, dated July 26, 2019, 7 pages.	
	A586	International Search Report and Written Opinion for International Application No. PCT/IL2020/050433, dated June 21, 2020, 14 pages	
	A587	Sortimo Logistix, "Mobile Sortimente", brochure, believed to be available at least as early as November 29, 2017, 17 pages.	
	A588	STUART, "Ryobi ToolBlox Tool Cabinet System!," TOOLGUYD, September 18, 2014, https://toolguyd.com/ryobi-toolblox-cabinets/, 23 pages.	
	A589	STUART, "Sys-Cart Base, a Systainer Mounting Platform," TOOLGUYD, July 28, 2014, https://toolguyd.com/systainer-sys-cart-mounting-base/, 11 pages.	
	A590	VERTAK, https://www.alibaba.com/product-detail/Vertak-global-patented-multi-funciton-portable_60217794260.html, believed to be available at least as early as November 29, 2017.	
	A591	Non-Final Rejection issued April 12, 2018, in United States Application No. 15/826,201. (16 Pages) (Docket No. J699501JS01 446373-419).	

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.**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation et al.
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	To be determined
Filing Date:	June 7, 2023
Examiner:	To be determined
Art Unit:	To be determined
Confirmation No:	To be determined

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

PRELIMINARY AMENDMENT UNDER 37 CFR 1.115

Prior to examination of the present application, Applicant respectfully requests that the application be amended as follows:

Amendments to the Claims begin on page 2 of this document.

Remarks begin on page 7 of this document.

Please amend the application as follows:

Amendments to the Claims:

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

Listing of Claims:

1-20. (Cancelled)

21. (New) A container assembly comprising:

a first container comprising:

a first lid pivotally attached to the first container;

a first female coupler at a top face of the first lid;

a first front face, a first side face, an second side face opposite the first side face, the first front face, the first side face, and the second side face collectively partially defining a storage compartment;

a first corner extending between the first front face and the first side face, and a second corner extending between the first front face and the second side face;

a first corner bumper extending outward from the first corner; and

a second corner bumper extending outward from the second corner;

wherein the first corner bumper defines an outer surface that extends past and faces away from each of the first front face and the first side face, and wherein the second corner bumper defines an outer surface that extends past and faces away from each of the first front face and the second side face; and

a first locking latch arresting location; and

a second container comprising:

a male coupler extending from a bottom face of the second container, the male coupler configured to slidingly engage with the first female coupler of the first container, wherein the first female coupler and male coupler engage each other when the first and second containers are slid with respect to each other;

a second lid pivotally attached to the second container; and

a locking latch positionable in a locked position engaging the first locking latch arresting location thereby limiting sliding displacement of the first container with respect to the second container.

22. (New) The container assembly of claim 21, the first container comprising:
a first rear wall opposite the first front face;
a pair of rear wheels extending past the first rear wall; and
a telescoping handle extending upwards from the first rear wall of the first container.

23. (New) The container assembly of claim 22, wherein the first female coupler of the first container and the male coupler of the second container engage each other when the first and second containers are slid with respect to each other along a sliding path defined by the first female coupler and the male coupler.

24. (New) The container assembly of claim 23, wherein the sliding path is perpendicular to the first front face and the first rear wall.

25. (New) The container assembly of claim 21, the second container comprising:
a second front face, a third side face, and a fourth side face opposite the third side face;
a third corner extending between the second front face and the third side face;
a fourth corner extending between the second front face and the fourth side face;
a third corner bumper extending outward from the third corner, wherein the third corner bumper defines an outer surface that extends past and faces away from each of the second front face and the third side face; and
a fourth corner bumper extending outward from the fourth corner, wherein the fourth corner bumper defines an outer surface that extends past and faces away from each of the second front face and the fourth side face.

26. (New) The container assembly of claim 21, wherein the first locking latch arresting location is defined by the first lid of the first container, and wherein the first locking latch arresting location defines a primary longitudinal axis that extends parallel to the first front face of the first container.

27. (New) The container assembly of claim 21, the first container comprising a plurality of female couplers including the first female coupler, each of the plurality of female couplers at the top face of the first lid, wherein the plurality of female couplers comprise four female couplers comprising a front row of at least two female couplers aligned with each other in a direction parallel to the first front face of the first container and a rear row of at least two female couplers aligned with each other in the direction parallel to the first front face of the first container.

28. (New) The container assembly of claim 21, the first container comprising a first toggle locking latch configured to latch the first lid of the first container in a closed position, and a second toggle locking latch configured to latch the first lid of the first container in a closed position, and the second container comprising a third toggle locking latch configured to latch the second lid of the second container in a closed position, and a fourth toggle locking latch configured to latch the second lid of the second container in a closed position.

29. (New) The container assembly of claim 28, wherein the locking latch is coupled to the second container between the second toggle locking latch and the fourth toggle locking latch.

30. (New) The container assembly of claim 21, wherein the first locking latch arresting location is defined by the first lid of the first container, and wherein the first locking latch arresting location defines a primary longitudinal axis that extends parallel to the first front face of the first container.

31. (New) The container assembly of claim 21, wherein the locking latch is spring biased to engage with the first locking latch arresting location.

32. (New) The container assembly of claim 21, the first container comprising a first tiltable carrying handle coupled to the first side face, and the second container comprising a second tiltable carrying handle coupled to a side face of the second container.

33. (New) The container assembly of claim 21,

wherein the first female coupler comprises two sidewalls, a back wall, and a first rib, the back wall located between the two sidewalls, the two sidewalls and the back wall projecting above a depressed surface of the top face of the first lid, and the first rib extending away from the back wall in a first direction towards the first front face of the first container;

wherein the second container comprises a second female coupler at a top face of the second lid, the second female coupler comprising two sidewalls, a back wall, and a second rib, the back wall located between the two sidewalls, the two sidewalls and the back wall projecting above a depressed surface of the top face of the second lid, and the second rib extending away from the back wall towards a front face of the second container and the first front face of the first container; and

wherein the first container defines a width axis parallel to the first front face of the first container and the second container defines a width axis parallel to the first front face of the first container, wherein the width axis of the second container is approximately one-half the width axis of the first container.

34. (New) The container assembly of claim 21,

the first container comprising a plurality of female couplers including the first female coupler, the plurality of female couplers at the top face of the first lid, the first container comprising a second locking latch arresting location; and

the container assembly comprising a third container comprising:

a second male coupler extending from a bottom face of the third container, the second male coupler configured to slidingly engage with one of the plurality of female couplers of the first container, wherein the second male coupler and the at least one of the plurality of female couplers engage each other when the first and second containers are slid with respect to each other;

a third lid pivotally attached to the third container;

a third female coupler at a top face of the first lid, the third female coupler comprising two sidewalls, a back wall, and a first rib, the back wall located between the two sidewalls, the two sidewalls and the back wall projecting above a depressed surface of the top face of the first lid, and the first rib extending away from the back wall towards a front face of the third container and the front face of the first container; and

a second locking latch positionable in a locked position engaging the second locking latch arresting location thereby limiting sliding displacement of the third container with respect to the first container.

35. (New) The container assembly of claim 34, wherein the first container defines a width axis parallel to the first front face of the first container, the second container defines a width axis parallel to the first front face of the first container, and the third container defines a width axis parallel to the first front face of the first container, wherein the width axis of the second container is approximately one-half the width axis of the first container, and the width axis of the third container is approximately one-half the width axis of the first container.

REMARKS

Applicant respectfully requests that the foregoing amendments to the claims be made prior to examination of the present application. Support for new claims 21-39 can generally be found throughout the specification and figures, and specific exemplary support can be found at least in paragraphs [00197] to [00198], [00209], [00211] to [00212], [00215] to [00224], [00229], [00230], [0058], and [00234] to [00235], and FIGS. 1A, 1B-1D, 6A-6D, 6G, 7A, 7B, 11A, 13A, 13C, 13D, and 16B. No new matter has been added with this amendment.

Applicant believes that the present application is in condition for allowance. Favorable consideration of the application as amended 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.

Although Applicant believes that no additional 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 7, 2023

By /Derek H. Campbell/

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

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