

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:

☒

Practitioners associated with Customer Number:

144588

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:

☐

The address associated with Customer Number:

OR

☐

Firm or individual name

Address

City

State

Zip

Country

Telephone

Email

Assignee name and address: Klein Tools, Inc.
450 Bond Street, Lincolnshire, Illinois 60069

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 /Robert J. Vechiola/

Date April, 20, 2021

Name Robert J. Vechiola

Telephone 847-821-5551

Title V.P., General Counsel & Corporate Secretary

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.

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.

Electronic Patent Application Fee Transmittal				
Application Number:				
Filing Date:				
Title of Invention:		GLOW FISH TAPE SYSTEM		
First Named Inventor/Applicant Name:		Daniel R. Pearson		
Filer:		Jeffery Neal Fairchild		
Attorney Docket Number:		00058P01US		
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
UTILITY APPLICATION FILING	1011	1	320	320
UTILITY SEARCH FEE	1111	1	700	700
UTILITY EXAMINATION FEE	1311	1	800	800
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1820

Electronic Acknowledgement Receipt	
EFS ID:	48127107
Application Number:	18207733
International Application Number:	
Confirmation Number:	9979
Title of Invention:	GLOW FISH TAPE SYSTEM
First Named Inventor/Applicant Name:	Daniel R. Pearson
Customer Number:	144588
Filer:	Jeffery Neal Fairchild
Filer Authorized By:	
Attorney Docket Number:	00058P01US
Receipt Date:	09-JUN-2023
Filing Date:	
Time Stamp:	09:57:21
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$ 1820
RAM confirmation Number	E202369058187501
Deposit Account	602056
Authorized User	Jeffery Fairchild
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 1.21 (Miscellaneous fees and charges)					
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	WebADS.pdf	168269	no	7
			d1dd163cfa57aa4fbxc6044e0615456f1f297b73		
Warnings:					
Information:					
2		00058P01USApplication.pdf	65979	yes	14
			ed295e1bce6fbce4eaa917a9480ab69ff22e71b4		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Specification		1	9	
	Claims		10	13	
	Abstract		14	14	
Warnings:					
Information:					
3	Drawings-only black and white line drawings	00058P01USDrawings.pdf	395548	no	4
			9f2b740f957f6c81c80b6246af25355273cd42d9		
Warnings:					
Information:					
4	Oath or Declaration filed	00058P01USDeclaration.pdf	438539	no	2
			fd0b743fe7f21c06e3ea101d644dbb9f1e7ace45		
Warnings:					
Information:					
5	Power of Attorney	PowerOfAttorneyForCustomer Number144588.pdf	184272	no	2
			33aef836107785fb9e6aa03902100a7501edec5b		

Warnings:					
Information:					
6	Fee Worksheet (SB06)	fee-info.pdf	43776	no	2
			6928586a283c6df1d6d0e719c0034fa6c64a35b8		
Warnings:					
Information:					
Total Files Size (in bytes):			1296383		
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. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	00058P01US
		Application Number	
Title of Invention	GLOW FISH TAPE SYSTEM		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

Secrecy Order 37 CFR 5.2:

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

Inventor 1				
Legal Name				
Prefix	Given Name	Middle Name	Family Name	Suffix
	Daniel	R.	Pearson	
Residence Information (Select One)		☒ US Residency ☐ Non US Residency ☐ Active US Military Service		
City	Fortworth	State/Province	TX	Country of Residence ⁱ US
Mailing Address of Inventor:				
Address 1	Klein Tools, Inc			
Address 2	501 Easy Drive			
City	Mansfield	State/Province	TX	
Postal Code	76063	Country ⁱ	US	
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button. Add				

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).			
☐ An Address is being provided for the correspondence information of this application.			
Customer Number	144588		
Email Address	ipcounsel@kleintools.com	Add Email	Remove Email
Email Address	jfairchild@kleintools.com	Add Email	Remove Email

Application Information:

Title of the Invention	GLOW FISH TAPE SYSTEM		
Attorney Docket Number	00058P01US	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	4	Suggested Figure for Publication (if any)	1

WEB ADS 1.0

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

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	00058P01US
		Application Number	
Title of Invention	GLOW FISH TAPE SYSTEM		

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

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

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)		
Customer Number	144588				
Prefix	Given Name	Middle Name	Family Name	Suffix	Remove
Registration Number					
Prefix	Given Name	Middle Name	Family Name	Suffix	Remove
Registration Number					
Additional Representative Information blocks may be generated within this form by selecting the Add button.					

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	00058P01US
		Application Number	
Title of Invention	GLOW FISH TAPE SYSTEM		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status			Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Continuation of	16696383	2019-11-26
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.			

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Application Number	Country	Filing Date (YYYY-MM-DD)	Access Code (if applicable)
Additional Foreign Priority Data may be generated within this form by selecting the Add button.			

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.
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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	00058P01US
		Application Number	
Title of Invention	GLOW FISH TAPE SYSTEM		

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.

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

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	00058P01US
		Application Number	
Title of Invention	GLOW FISH TAPE SYSTEM		

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

☒ Assignee

☐ Legal Representative under 35 U.S.C. 117

☐ Joint Inventor

☐ Person to whom the inventor is obligated to assign.

☐ Person who shows sufficient proprietary interest

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here. ☒

Organization Name

Klein Tools, Inc.

Mailing Address Information For Applicant:

Address 1

c/o Jeff Fairchild

Address 2

450 Bond Street

City

Lincolnshire

State/Province

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Country

US

Postal Code

60069

Phone Number

8478215549

Fax Number

Email Address

ipcounsel@kleintools.com

Additional Applicant Data may be generated within this form by selecting the Add button.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	00058P01US
		Application Number	
Title of Invention	GLOW FISH TAPE SYSTEM		

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

If the Assignee or Non-Applicant Assignee is an Organization check here. ☒

Organization Name

Klein Tools, Inc.

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1

c/o Jeff Fairchild

Address 2

450 Bond Street

City

Lincolnshire

State/Province

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Country i

US

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60069

Phone Number

8478215549

Fax Number

Email Address

ipcounsel@kleintools.com

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.

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

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	00058P01US
		Application Number	
Title of Invention	GLOW FISH TAPE SYSTEM		

Signature:

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). **However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).**

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/JEFFERY N FAIRCHILD/			Date (YYYY-MM-DD)	
First Name	Jeffery	Last Name	Fairchild	Registration Number	37825
Additional Signature may be generated within this form by selecting the Add button.					

GLOW FISH TAPE SYSTEM

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application is a continuation of and claims priority to U.S. Patent Application 16/696,383, filed 11/26/2019, entitled Glow Fish Tape System, the entire disclosure of which is incorporated herein by reference.

BACKGROUND OF THE DISCLOSURE

[0002] The present disclosure relates fish tapes that are deployed from a case that stores the fish tape when the fish tape is not in use. Most current fish tapes of this type utilize a case that deploys the fish tape from an annular slot, typically in an outer perimeter of the case, with at least a portion of the fish tape being retained in the case during use. Fish tapes are typically made of nylon, fiberglass, nylon jacketed fiberglass, or a suitable metal, such as stainless steel or tempered spring steel or multi-stranded steel wire, with the fish tape having sufficient stiffness to be pushed through a conduit or other enclosed space while being sufficiently flexible to flex around bends or corners in the conduit or other enclosed space. Fish tapes are provided in a variety of sizes and lengths, with the commercially available lengths typically being provided in the range of 20 feet to 240 feet.

[0003] Such fish tapes are used to pull electrical wires and fiber optic cables through conduit or into enclosed wall space and there are commercially available light emitting tips that can be connected to the end of the fish tape to improve the ability of a user to see the fish tape as it is moving near an opening through which a user wishes to pull electrical wire or fiber optic cable. While such fish tapes, cases and tips work well for their intended purpose, there is always room for improvement. For example, the light emitting tips are not as effective if the tip has already moved past the opening through which a user wants to pull the electrical wire or fiber optic cable.

BRIEF SUMMARY OF THE DISCLOSURE

[0004] In accordance with one feature of this disclosure, a fish tape system includes a fish tape and a donut shaped case. The fish tape has a length extending from a first end to a second end, and the length of the fish tape includes a luminescent material that emits light after being energized by exposure to a light source. The donut shaped case has a pair of sidewalls extending between a radially innermost wall and a radially outermost wall. The sidewalls are spaced from each other to define a fish tape storage compartment that stores the length of fish tape for deployment via the annular opening in the case. The case further includes an annular opening extending around a circumference of one of the inner and outer walls. At least a portion of the case is transparent to allow the luminescent material to be energized by light passing through the portion.

[0005] As one feature, the outermost wall has the annular opening extending around a circumference of the outer wall, and at least one of the sidewalls of the case is transparent to allow the luminescent material to be energized by light passing through the at least one of the sidewalls.

[0006] In one feature, both of the sidewalls of the case are transparent to allow the luminescent material to be energized by light passing through the sidewalls.

[0007] According to one feature, at least one of the innermost and outermost walls is transparent to allow the luminescent material to be energized by light passing through the sidewalls.

[0008] As one feature, one of the sidewalls and portions of the innermost and outermost walls are defined by a first component of the case, and the other of the sidewalls and other portions of the innermost and outermost walls are defined by a second component of the case. The first and second components are assembled together to form the storage compartment. In a further feature, at least one of the first and second components includes a transparent material. In yet a further feature, both of the first and second components includes a transparent material.

[0009] In one feature, the fish tape system further includes a handle engaged with the case for sliding movement along a circumference of one of the inner and outer walls, the handle engageable with the fish tape to deploy the fish tape from the storage compartment and to reload the fish tape into the compartment.

[0010] According to one feature, the fish tape system further includes a handle engaged with the case for sliding movement along a circumference of the outer wall. The handle is engageable with the fish tape to deploy the fish tape from the storage compartment and to reload the fish tape into the compartment.

[0011] As one feature, the fish tape further includes a threaded opening in at least one of the first and second ends.

[0012] In one feature, at least a portion of at least one of the sidewalls of the case is transparent to allow the luminescent material to be energized by light passing through the at least one of the sidewalls.

[0013] According to one feature, at least portions of both of the sidewalls of the case are transparent to allow the luminescent material to be energized by light passing through the sidewalls.

[0014] As one feature, at least portions of all the walls of the case are transparent.

[0015] In accordance with one feature, a fish tape system includes a fish tape and a case. The fish tape has a length extending from a first end to a second end, and the length of the fish tape includes a luminescent material that emits light after being energized by exposure to a light source. The case has a fish tape storage compartment that stores the length of fish tape for deployment and reloading via an opening in the case. At least a portion of the case is transparent to allow the luminescent material to be energized by light passing through the portion and into the storage compartment.

[0016] As one feature, the storage compartment has an annular shape bounded by a pair of spaced sidewalls. According to further feature, at least a portion of at least one of the sidewalls is transparent. In yet a further feature, portions of both of the sidewalls are transparent.

[0017] In one feature, the case includes a pair of components that are joined to each other to define the storage compartment, and at least one of the pair of components includes a transparent material.

[0018] It should be understood that the inventive concepts disclosed herein do not require each of the features discussed above, may include any combination of the features discussed, and may include features not specifically discussed above.

BRIEF SUMMARY OF THE SEVERAL VIEWS OF THE DRAWINGS

[0019] Fig. 1 is a view is a perspective view from above and to the left of a fish tape system according to this disclosure;

[0020] Fig. 2 is a plan view of a fish tape of the fish tape system shown in Fig.1, with the fish tape removed from a case of the system and with a portion of the fish tape broken away for purposes of illustration;

[0021] Fig. 3 is a left side elevation view of the fish tape system of Fig. 1;

[0022] Fig. 4 is a right side elevation view of the fish tape system of Figs. 1 and 3;

[0023] Fig. 5, is a view taken from line 5-5 in Fig. 3;

[0024] Figs. 6A and 6B are enlarged views taken from line 6-6 in Fig.2 and show alternate embodiments of the fish tape shown in Fig. 2; and

[0025] Fig. 7 is an enlarged perspective view showing an end configuration for a fish tape according to this disclosure.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

[0026] As seen in Figs. 1-5, a fish tape system 10 is provided and includes a fish tape 12 and a case 14. As best seen in Fig. 2, the fish tape 12 has a length 16 extending from a first end 18 to a second end 20. The length 16 includes a luminescent material 22 that emits light after being energized by exposure to a light source 24, such as the sun or a light emitting element. The case 14 has a fish tape storage compartment 26 that stores the fish tape 12 for deployment via an opening 28 in the case 14. At least a portion of the case 14 is transparent to allow the luminescent

Page 4 of 14

material 22 to be energized by light passing through the transparent portion and into the storage compartment 26.

[0027] In the illustrated embodiment, the case 14 is donut shaped and includes a pair of sidewalls 32 (best seen in Fig. 5) extending between a radially innermost wall 34 and a radially outermost wall 36. The wall 36 includes the opening 28 in the form of an annular opening 28 extending around the entire circumference of the wall 36. The sidewalls 32 are spaced from each other, and in combination with inwardly facing annular surfaces 38 and 40 of the walls 34 and 36, respectively, define the storage compartment 26 with an annular shape. As best seen in Figs. 1 and 5, the illustrated and preferred case 14 is an assembly of two, half-case components 44 and 46 that are joined to each other using threaded fasteners 48. Each of the components 44 and 46 define one of the sidewalls 32 and approximately one-half of each of the walls 34 and 36 and are preferably molded using a suitable process, such as injection molding. The annular opening 28 is defined between each portion of the wall 36 defined by each of the components 44 and 46. Such constructions for donut shaped fish tape cases are well known, with a few examples of such commercially cases being offered by Ideal Electronics under model numbers 31-542, 31-056, and 31-064; by Gardner Bender under model numbers FTS-125R, FTS-250R, and FTS-50B; and Klein Tools under model numbers 56001, 56014, 56002, and 56005.

[0028] In the illustrated and highly preferred embodiment, the walls 32, 34 and 36 are all transparent to allow the luminescent material 22 to be energized by light passing into the compartment 26 through the wall 32, 34, and 36. In this regard, the components 44 and 46 can be molded from any suitable material, such a suitable polymeric/plastic/composite material. Non-limiting examples of suitable materials include: polycarbonate, polypropylene, and Acrylonitrile butadiene styrene (ABS).

[0029] The illustrated and preferred embodiment of the system 10 also includes a winding handle 50 that is mounted to slide within the annular opening 28 around the entire circumference of the wall 36. The handle 50 includes a grip 52 and a hoop or ring 54. As best seen in Fig. 5, the ring 54 has oppositely facing annular ribs 56, with each rib received in a corresponding annular channel in a corresponding one of the half-case

components 44 and 46 for guided, sliding movement around the entire circumference of the wall 36. As best seen in Fig. 3, the grip 52 includes a tape guide portion 58 having a linear slot 60 that receives and guides the fish tape 12 as it is deployed from and wound into the compartment 26 via an opening 62 that extends through the ring 54. The features 52, 54, 56, 58, 60 and 62 are well known and employed in commercially available fish tape systems.

[0030] It is highly preferred that system 10 be configured to allow the fish tape 12 to be easily removed from the case 14 for use and then rewound into the case 14 after use. In the illustrated and novel embodiment, this is achieved by sizing the slot 60 and opening 62 to allow the end 20 to be readily removed from the case 14 and reinserted into the case 14, by providing an opening 64 in the wall 34 that allows the end 20 to readily pass through the wall 34, and by providing the case 14 with an anchor slot 66 that provides a snap-fit with the end 20 to allow the end 20 to be releasably retained in the slot 66. In the illustrated embodiment, the slot 66 is defined in a boss 68 that is formed as an integral, unitary part of the half-case component 46.

[0031] The length 16 of the fish tape 12 is formed from a structural member 70 that extends over the entire length 16. The structural member 70 can be a flexible strip of metal, a multi-strand metallic wire, or a cord or rope of nylon, fiberglass, or other flexible, high tensile strength material. The luminescent material 22 can be provided in any suitable form and preferably extends over the entire length 16, such as, for example, in the form of a luminescent coating that includes the material 20, such as a paint, on the structural member 70 that extends over the entire length 16 (shown in Fig. 2); a luminescent sheath/jacket that includes the material 20 and surrounds the structural member 70 extending over the entire length 16 (shown in Fig. 6A); or in the form as an integral component of the material that forms the structural member 70 (shown in Fig. 6B). Non-limiting examples of suitable materials for the luminescent material 22 include: strontium aluminate, zinc sulfide, or either of those materials blended with a base material, such as nylon, polyethylene, and/or polyethylene terephthalate (PET).

[0032] Each end 18 and 20 of the fish tape 12 may be provided in any suitable form and/or configuration, many of which are known, to allow or assist a user in the attachment of an electrical wire or optic cable or in the grasping of the fish tape 12 during a pulling or pushing operation. Non-limiting examples of suitable forms/configurations for the ends 18 and 20 include eyelet ends (shown in Figs. 1-4 for end 18), hook shaped ends, no-snag plastic tips, bullet ends, mini-eyelet ends, domed-eyelet ends, claw ends, male threaded connector ends, or female threaded connector ends, all of which are well known in commercially available fish tape systems and fish rod systems. Figs. 1-4 and 7 shows an embodiment wherein the 20 has a threaded connector in the form of a female threaded opening 74.

[0033] Preferred embodiments of the inventive concepts are described herein, including the best mode known to the inventor(s) for carrying out the inventive concepts. Variations of those preferred embodiments will become apparent to those of ordinary skill in the art upon reading the foregoing description. The inventor(s) expect skilled artisans to employ such variations as appropriate, and the inventor(s) intend that the inventive concepts can be practiced otherwise than as specifically described herein. Accordingly, the inventive concepts disclosed herein include all modifications and equivalents of the subject matter recited in the claims appended hereto as permitted by applicable law. Moreover, any combination of the above-described elements and features in all possible variations thereof is encompassed by the inventive concepts unless otherwise indicated herein or otherwise clearly contradicted by context. Further in this regard, while highly preferred forms of the fish tape system 10 are shown in the figures, it should be understood that this disclosure anticipates variations in the specific details of each of the disclosed components and features of the fish tape system 10 and that no limitation to a specific form, configuration, or detail is intended unless expressly and specifically recited in an appended claim.

[0034] For example, while specific and preferred forms have been shown for the case 14, in some applications other forms and configurations for the case 14 may be employed. For example, in some applications it may be desirable for just one of the side walls 32 to be transparent, with the other side wall 32 and the other walls 34 and

36 being opaque. As another example, it may be desirable for just a portion of one of the walls 32, 34, and/or 36 to be transparent. As yet another example, while it is preferred for the annular opening 28 to be provided in the radially outermost wall, in some applications it may be desirable for the annular opening 28 to be provide in the radially innermost wall 34. As another example, while an annular opening 28 is preferred, in some applications a different opening configuration/shape may be desired. In another example, while the two half-case components 44 and 46 preferred, in some embodiments it may be desirable to form the case 14 from a different configuration of components or a different number of components. Similarly, while the donut shape is a preferred form for the case 14, in some applications it may be desirable for the case 14 to have a different shape. As yet another example, while the disclosed configuration for the handle 50 is preferred, in some applications it may be desirable to utilize other configurations, many of which are known, for a winding handle. Similarly, in some applications it may be desirable for the system 10 to not have any type or configuration of winding handle. In a further example, while the opening 64, anchor slot 64 and boss 66 are preferred, in some application it may be desirable for these features to be eliminated and/or for replaced with other features to attach or anchor the end 20 in the case 14. In another example, while circular and rectangular cross sections have been shown for the fish tape 12, other cross sections may be desirable depending upon the specific application and/or material(s) used for the fish tape 12.

[0035] The use of the terms “a” and “an” and “the” and “at least one” and similar referents in the context of describing the invention (especially in the context of the following claims) are to be construed to cover both the singular and the plural, unless otherwise indicated herein or clearly contradicted by context. The use of the term “at least one” followed by a list of one or more items (for example, “at least one of A and B”) is to be construed to mean one item selected from the listed items (A or B) or any combination of two or more of the listed items (A and B), unless otherwise indicated herein or clearly contradicted by context. The terms “comprising,” “having,” “including,” and “containing” are to be construed as open-ended terms (i.e., meaning “including, but not limited to,”) unless otherwise noted. The use of any and all examples, or exemplary

language (e.g., “such as”) provided herein, is intended merely to better illuminate the inventive concepts disclosed herein and does not pose a limitation on the scope of any invention unless expressly claimed. No language in the specification should be construed as indicating any non-claimed element as essential to the practice of the inventive concepts disclosed herein.

[0036] All references, including publications, patent applications, and patents, cited herein are hereby incorporated by reference to the same extent as if each reference were individually and specifically indicated to be incorporated by reference and were set forth in its entirety herein.

CLAIMS

What is claimed is:

1. A fish tape system comprising:
 - a fish tape having a length extending from a first end to a second end, the length of the fish tape comprising a luminescent material that emits light after being energized by exposure to a light source;
 - a donut shaped case having a pair of sidewalls extending between a radially innermost wall and a radially outermost wall, the outermost wall having an annular opening extending around a circumference of the outer wall, the sidewalls being spaced from each other to define a fish tape storage compartment that stores the length of fish tape for deployment via the annular opening in the case; and
 - a handle engaged with the fish tape and mounted to slide within the annular opening of the case around the entire circumference of the outer wall to deploy the fish tape from the storage compartment and to reload the fish tape into the compartment;
 - wherein at least one of the sidewalls of the case is configured to allow the luminescent material to be energized by light passing through the at least one of the sidewalls.
2. The fish tape system of claim 1 wherein both of the sidewalls of the case are transparent to allow the luminescent material to be energized by light passing through the sidewalls.
3. The fish tape system of claim 2 wherein at least one of the innermost and outermost walls is transparent to allow the luminescent material to be energized by light passing through the sidewalls.
4. The fish tape system of claim 1 wherein one of the sidewalls and portions of the innermost and outermost walls are defined by a first component of the case, and the other of the sidewalls and other portions of the innermost and outermost walls are defined by a second component of the case, the first and second components being assembled together to form the storage compartment.

6. The fish tape system of claim 1 wherein the fish tape further comprises a threaded opening in at least one of the first and second ends.
7. A fish tape system comprising:
 - a fish tape having a length extending from a first end to a second end, the length of the fish tape comprising a luminescent material that emits light after being energized by exposure to a light source;
 - a donut shaped case having a pair of sidewalls extending between a radially innermost wall and a radially outermost wall, an annular opening extending around a circumference of one of the inner and outer walls, the sidewalls being spaced from each other to define a fish tape storage compartment that stores the length of fish tape for deployment via the annular opening in the case; and
 - a handle engaged with the fish tape and mounted to slide within the annular opening of the case around the entire circumference to deploy the fish tape from the storage compartment and to reload the fish tape into the compartment;
 - wherein at least a portion of the case is configured to allow the luminescent material to be energized by light passing through the portion.
8. The fish tape system of claim 7 wherein at least a portion of at least one of the sidewalls of the case is transparent to allow the luminescent material to be energized by light passing through the at least one of the sidewalls.
9. The fish tape system of claim 7 wherein at least portions of both of the sidewalls of the case are transparent to allow the luminescent material to be energized by light passing through the sidewalls.
10. The fish tape system of claim 7 wherein at least portions of all the walls of the case are transparent.
11. The fish tape system of claim 7 wherein one of the sidewalls and portions of the innermost and outermost walls are defined by a first component of the case, and the other of the sidewalls and other portions of the innermost and outermost walls are

defined by a second component of the case, the first and second components being assembled together to form the storage compartment.

12. The fish tape system of claim 11 wherein at least one of the first and second components comprises a transparent material.

13. The fish tape system of claim 11 wherein both of the first and second components comprises a transparent material.

15. The fish tape system of claim 7 wherein the fish tape further comprises a threaded opening in at least one of the first and second ends.

16. A fish tape system comprising:

- a fish tape having a length extending from a first end to a second end, the length of the fish tape comprising a luminescent material that emits light after being energized by exposure to a light source;

- a case having a fish tape storage compartment that stores the length of fish tape for deployment and reloading via an annular opening in the case; and

- a handle engaged with the fish tape and mounted to slide within the annular opening of the case around an entire circumference of the annular opening to deploy the fish tape from the storage compartment and to reload the fish tape into the compartment;

- wherein at least a portion of the case is configured to allow the luminescent material to be energized by light passing through the portion and into the storage compartment.

17. The fish tape system of claim 16 wherein the storage compartment has an annular shape bounded by a pair of spaced sidewalls.

18. The fish tape system of claim 17 wherein at least a portion of at least one of the sidewalls is transparent.

19. The fish tape system of claim 18 wherein portions of both of the sidewalls are transparent.

20. The fish tape system of claim 16 wherein the case comprises a pair of components that are joined to each other to define the storage compartment, and at least one of the pair of components comprises a transparent material.

ABSTRACT

A fish tape system includes a fish tape and a case having a storage compartment that stores the fish tape for deployment from the case. The fish tape has a length extending from a first end to a second end. The length includes a luminescent material that emits light after being energized by exposure to a light source. At least a portion of the case is transparent to allow the luminescent material 22 to be energized by light passing through the transparent portion and into the storage compartment.

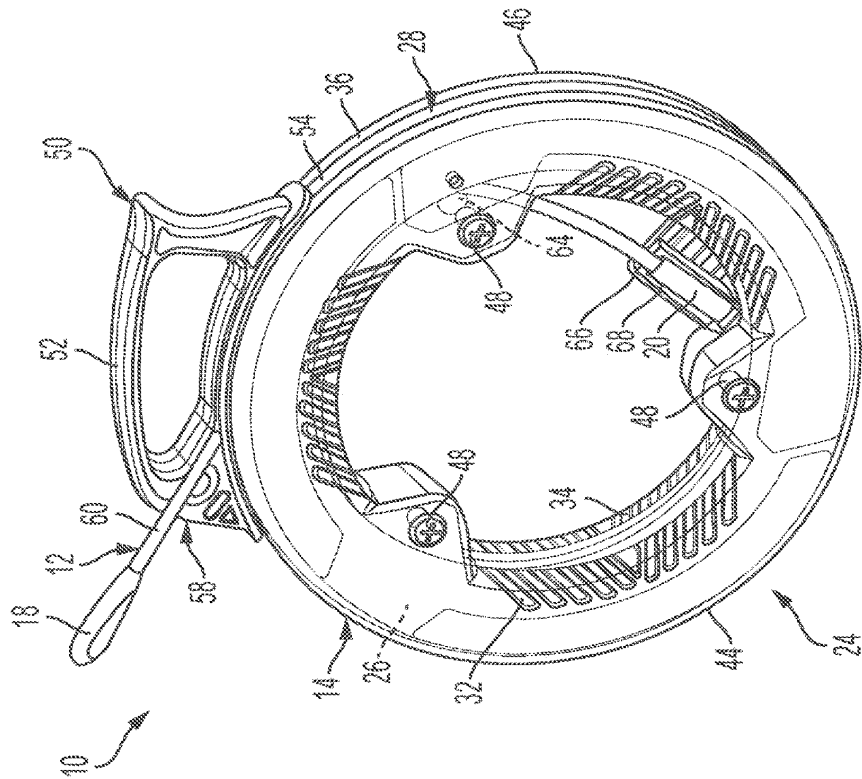


FIG. 1

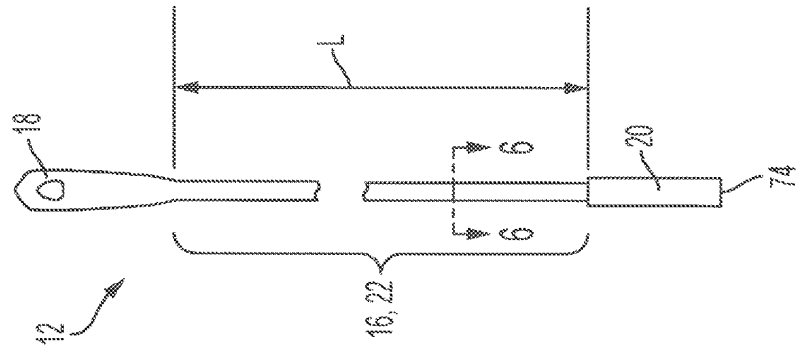
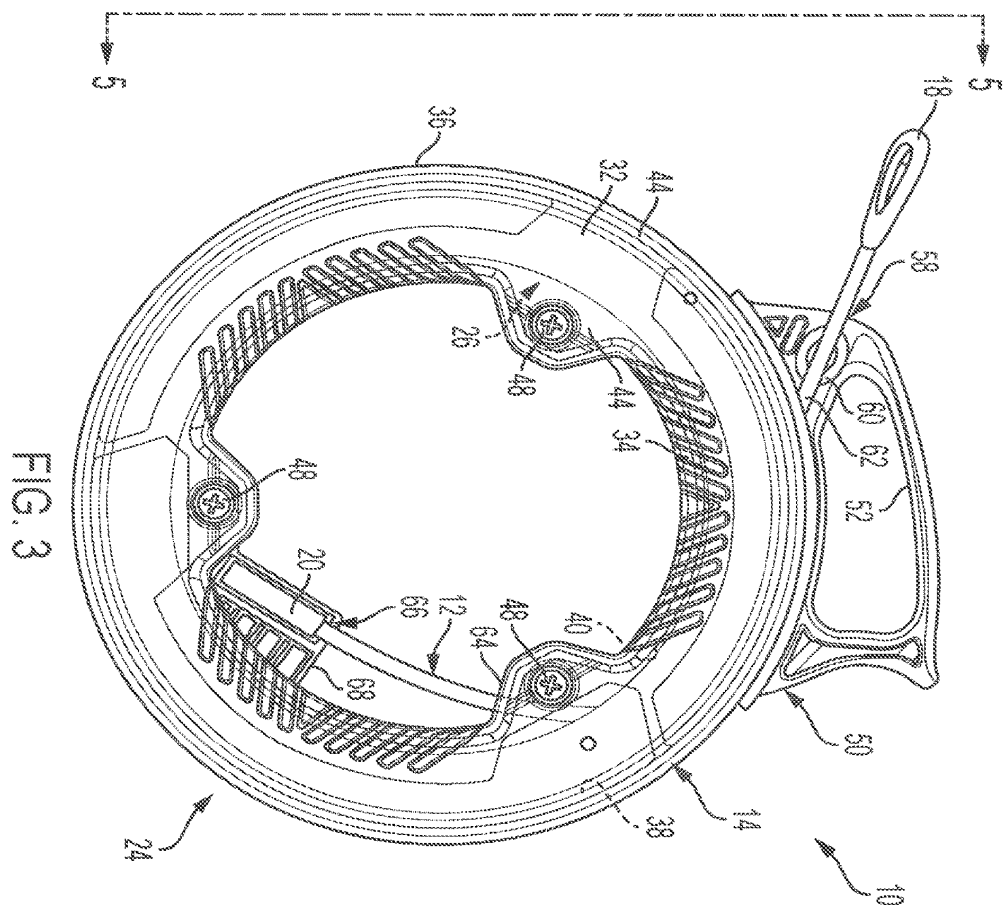


FIG. 2



2/4

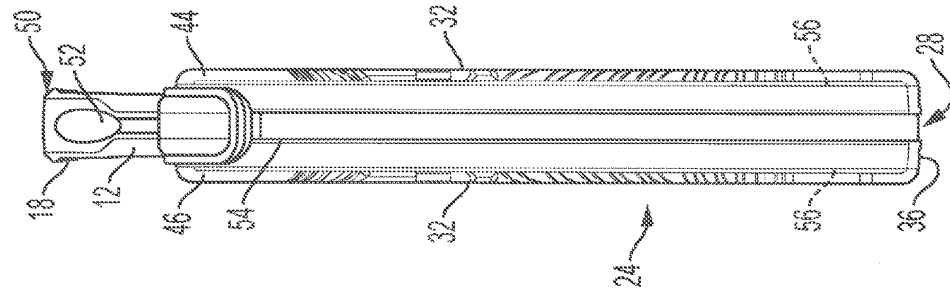


FIG. 5

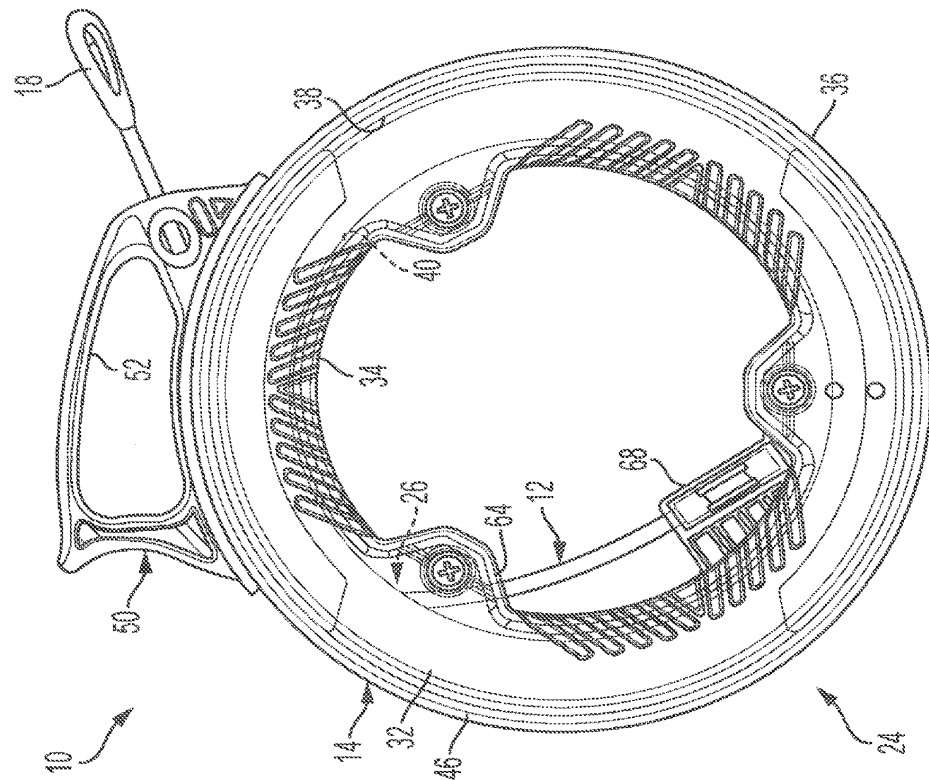


FIG. 4

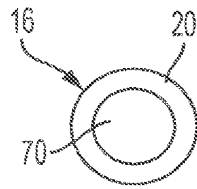


FIG. 6A

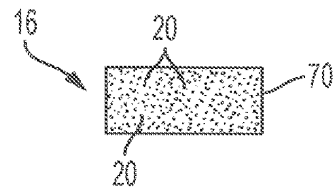


FIG. 6B

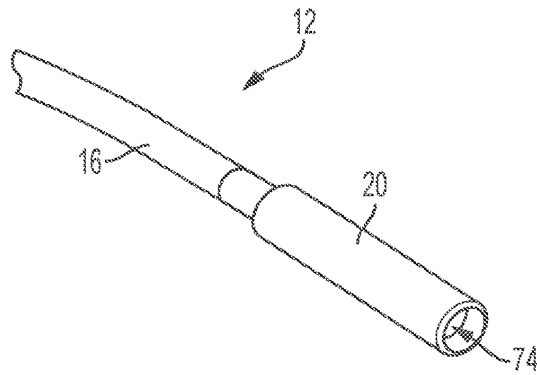


FIG. 7

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Title of
Invention

GLOW FISH TAPE SYSTEM

As the below named inventor, I hereby declare that:

This declaration
is directed to:



The attached application, or



United States application or PCT international application number _____

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The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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18/207,733	06/09/2023		1820	00058P01US	18	3

CONFIRMATION NO. 9979

144588
Klein Tools, Inc
450 Bond Street
Lincolnshire, IL 60069

FILING RECEIPT



Date Mailed: 06/28/2023

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Inventor(s)

Daniel R. Pearson, Fortworth, TX;

Applicant(s)

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Assignment For Published Patent Application

Klein Tools, Inc., Lincolnshire, IL

Power of Attorney: The patent practitioners associated with Customer Number 144588

Domestic Priority data as claimed by applicant

This application is a CON of 16/696,383 11/26/2019

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.

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The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 18/207,733**

Projected Publication Date: 10/05/2023

Non-Publication Request: No

Early Publication Request: No

Title

GLOW FISH TAPE SYSTEM

Preliminary Class

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 18/207,733			
APPLICATION AS FILED - PART I									
(Column 1)		(Column 2)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY			
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)		
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	320		
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A			N/A	700		
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	800		
TOTAL CLAIMS (37 CFR 1.16(j))	18	minus 20 = *	0			x	= 0		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3	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)		(Column 2)		(Column 3)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)	
	Total (37 CFR 1.16(i))	*	Minus **	=	x	=	x	=	
	Independent (37 CFR 1.16(h))	*	Minus ***	=	x	=	x	=	
	Application Size Fee (37 CFR 1.16(s))								
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								
				TOTAL ADD'L FEE		TOTAL ADD'L FEE			
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)	
	Total (37 CFR 1.16(i))	*	Minus **	=	x	=	x	=	
	Independent (37 CFR 1.16(h))	*	Minus ***	=	x	=	x	=	
	Application Size Fee (37 CFR 1.16(s))								
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								
				TOTAL ADD'L FEE		TOTAL ADD'L FEE			
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.									



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
18/207,733	06/09/2023	Daniel R. Pearson	00058P01US

CONFIRMATION NO. 9979

PUBLICATION NOTICE



OC000000062912585

144588
Klein Tools, Inc
450 Bond Street
Lincolnshire, IL 60069

Date Mailed: 10/05/2023

Title:GLOW FISH TAPE SYSTEM

Publication No.US-2023-0312303-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 publicly 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.

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

Notice of References Cited	Application/Control No. 18/207,733	Applicant(s)/Patent Under Reexamination Pearson, Daniel R.	
	Examiner HOAI-AN D NGUYEN	Art Unit 2858	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-6722603-B1	2004-04-20	Atencio; Gilbert J.	B65H75/406	242/390.8
*	B	US-7150448-B1	2006-12-19	Swift; Richard C.	H02G1/085	254/134.3R
*	C	US-4517757-A	1985-05-21	Asada; Shuji	B65H75/44	242/379.2
*	D	US-6416040-B1	2002-07-09	Bergman; William	B65H75/364	254/134.3FT
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

Search Notes 	Application/Control No. 18/207,733	Applicant(s)/Patent Under Reexamination Pearson, Daniel R.
	Examiner HOAI-AN D NGUYEN	Art Unit 2858

CPC - Searched*		
Symbol	Date	Examiner
B65H75/00, 02, 34, 36, 362, 364, 38, 40, 406 (Updated).	05/31/2024	HADN
B65H2701/00, 30, 37, 376 (Updated).	05/31/2024	HADN
H02G11/00, 006, 02, 06, 08, 083, 085 (Updated).	05/31/2024	HADN

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
254	134.3R, 134.3FT (Updated).	05/31/2024	HADN

* 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
Reviewed all previously searched prior art references in the parent case.	05/31/2024	HADN
Inventor's name searched.	05/31/2024	HADN
Text search in PE2E SEARCH.	05/31/2024	HADN

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
InterferenceSearch HistoryPrintout.		05/31/2024	HADN

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<i>Search Notes</i> 	Application/Control No. 18/207,733	Applicant(s)/Patent Under Reexamination Pearson, Daniel R.
	Examiner HOAI-AN D NGUYEN	Art Unit 2858

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PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	4	"20210155445"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 10:24 AM
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L21	16219	(H02G11/02.cpc.) AND @ad<"20191126"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 03:31 PM

L22	7010	(H02G1/06.cpc.) AND @ad<"20191126"	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 03:39 PM
L23	6928	(H02G1/08.cpc.) AND @ad<"20191126"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 03:40 PM
L24	1028	(H02G1/083.cpc.) AND @ad<"20191126"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 03:40 PM
L25	1567	(H02G1/085.cpc.) AND @ad<"20191126"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2022/05/31 03:47 PM

L26	1132	(254/134.3R.ccls.) AND @ad<"20191126"	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 04:01 PM
L27	548	(254/134.3FT.ccls.) AND @ad<"20191126"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 04:01 PM
L28	4	I2 AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location))) WITH (second adj2 (end\$3 terminal point node location)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 04:28 PM

L29	2	(L6 L7 L8 L9 L10 L11 L12 L13 L14) AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 04:43 PM
L30	2	(L15 L16 L17 L18) AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 04:44 PM
L31	0	(L19 L20 L21) AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 04:48 PM
L32	4	(L26 L27) AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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,	OR	ON	ON	2022/05/31 04:56 PM

L33	6512	(second adj2 (end\$3 terminal point node location))) (H02G1/00.cpc.) AND @ad<"20191126"	IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 04:57 PM
L34	5	(L22 L23 L24 L25 L33) AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 04:58 PM
L35	3	L28 AND (((fish flex\$3) adj2 tape) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH (light adj2 (source supply generat\$3 pump gun input)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 05:12 PM

L36	0	L29 AND (((fish flex\$3) adj2 tape) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH (light adj2 (source supply generat\$3 pump gun input)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 05:12 PM
L37	0	L30 AND (((fish flex\$3) adj2 tape) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH (light adj2 (source supply generat\$3 pump gun input)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 05:12 PM
L38	0	L32 AND (((fish flex\$3) adj2 tape) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH (light adj2 (source supply generat\$3 pump gun input)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 05:13 PM
L39	0	L34 AND (((fish flex\$3) adj2 tape) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL,	OR	ON	ON	2022/05/31 05:13 PM

05/31/2024 08:19:20 PM
Workspace: 18207733-16696383

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L40	0	cover screen compound)) WITH (light adj2 (source supply generat\$3 pump gun input))) (L6 L7 L8 L9 L10 L11 L12 L13 L14) AND (((fish flex\$3) adj2 tape) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH (light adj2 (source supply generat\$3 pump gun input)))	NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 05:14 PM
L41	0	(L15 L16 L17 L18) AND (((fish flex\$3) adj2 tape) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH (light adj2 (source supply generat\$3 pump gun input)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 05:15 PM
L42	0	(L19 L20 L21) AND (((fish flex\$3) adj2 tape) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH (light adj2 (source supply generat\$3 pump gun input)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 05:15 PM
L43	0	(L22 L23 L24 L25 L33)	(US-PGPUB; USPAT;	OR	ON	ON	2022/05/31

		AND (((fish flex\$3) adj2 tape) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH (light adj2 (source supply generat\$3 pump gun input)))	USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				05:16 PM
L44	0	(L26 L27) AND (((fish flex\$3) adj2 tape) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH (light adj2 (source supply generat\$3 pump gun input)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 05:17 PM
L45	3	L35 AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 05:44 PM
L46	4	(L6 L7 L8 L9 L10 L11 L12 L13 L14) AND	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	OR	ON	ON	2022/05/31 05:48 PM

L47	1	(((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation)) (L15 L16 L17 L18) AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation))	AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 05:48 PM
L48	4	(L19 L20 L21) AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 05:48 PM

L49	1	enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation)) (L22 L23 L24 L25 L33) AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation))	MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 05:49 PM
L50	0	(L26 L27) AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2022/05/31 05:49 PM

L51	3	sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation)) L45 AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 05:58 PM
L52	0	L46 AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 05:58 PM
L53	0	L47 AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2022/05/31 05:58 PM

L54	0	L48 AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 05:58 PM
L55	0	L49 AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 05:59 PM
L56	20	((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location))) AND @ad<"20191126"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 06:00 PM
L58	6920	((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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,	OR	ON	ON	2022/05/31 06:00 PM

L59	831	enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation)) AND @ad<"20191126" ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light) AND @ad<"20191126"	IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 06:01 PM
L60	0	((fish flex\$3) adj2 tape) WITH luminescent WITH (light adj2 (source supply generat\$3 pump gun input))) AND @ad<"20191126"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 06:02 PM
L61	0	((fish flex\$3) adj2 tape) WITH luminescen\$2 WITH (light adj2 (source supply generat\$3 pump gun input))) AND @ad<"20191126"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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,	OR	ON	ON	2022/05/31 06:03 PM

L62	0	(((fish flex\$3) adj2 tape) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH (light adj2 (source supply generat\$3 pump gun input))) AND @ad<"20191126"	IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 06:04 PM
L63	0	L56 AND I58 AND L59	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 06:05 PM
L64	0	L56 AND L58	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 06:05 PM

L65	0	L56 AND L59	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 06:05 PM
L66	0	L58 AND L59	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 06:05 PM
L68	193	((snak\$3 tap\$3 chain) WITH ((luminescen\$3 luminous phosphorescent visible) adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH (light adj2 (source supply generat\$3 pump gun input))) AND @ad<"20191126"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 11:13 PM
L69	17561	((snak\$3 tap\$3 chain) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location))) AND	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL,	OR	ON	ON	2022/05/31 11:14 PM

L70	1570	@ad<"20191126" ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH ((luminescen\$3 luminous phosphorescent visible) adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light) AND @ad<"20191126"	NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 11:22 PM
L71	6920	((((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation)) AND @ad<"20191126"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 11:25 PM
L72	0	L68 AND L69 AND L70 AND L71	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL,	OR	ON	ON	2022/05/31 11:26 PM

L73	0	L68 AND L69 AND L70	NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 11:27 PM
L74	0	L68 AND L69 AND L71	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 11:27 PM
L75	0	L68 AND L70 AND L71	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 11:27 PM
L76	0	L69 AND L70 AND L71	(US-PGPUB; USPAT;	OR	ON	ON	2022/05/31

			USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				11:27 PM
L77	0	L68 AND L69	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 11:27 PM
L78	2	L68 AND L70	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 11:27 PM
L79	0	L68 AND L71	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL,	OR	ON	ON	2022/05/31 11:28 PM

L80	0	L69 AND L70	PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 11:28 PM
L81	8	L69 AND L71	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 11:28 PM
L82	0	L70 AND L71	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 11:28 PM
L86	5	("7565751" OR "20080086902").pn.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	OR	ON	ON	2022/06/01 10:34 AM

L87	32	("3,606,402" OR "3,600,011" OR "3,181,897").pn.	AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 12:06 PM
L88	938	((snak\$3 tap\$3 chain reel bobbin spool winder roll\$3 rotat\$3 spin\$4) WITH ((luminescen\$3 luminous phosphorescent visible) adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH (light adj2 (source supply generat\$3 pump gun input))) AND @ad<"20191126"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 12:14 PM
L89	96735	((snak\$3 tap\$3 chain reel bobbin spool winder roll\$3 rotat\$3 spin\$) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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,	OR	ON	ON	2022/06/01 01:53 PM

L90	512681	location)) WITH (second adj2 (end\$3 terminal point node location))) AND @ad<"20191126"	MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 02:03 PM
L91	350596	(((((feed\$3 guid\$3 fish\$3 push\$3 pull\$3 direct\$3 rout\$3) near2 (lead conduct\$3 strip\$3 wir\$3 cord\$3 cabl\$3 line trace (transmiss\$5 adj2 (line medium path channel link trace wir\$3)))) WITH (cavity ceiling trusses attic trailer studs conduit pipe wall frame region space structure)) WITH (snak\$3 tap\$3 chain reel bobbin spool winder roll\$3 rotat\$3 spin\$)) AND @ad<"20191126"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 02:09 PM
L92	0	L88 AND L89 AND L90 AND L91	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,	OR	ON	ON	2022/06/01 02:10 PM

L93	0	L88 AND L89 AND L90	SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 02:10 PM
L94	0	L88 AND L89 AND L91	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 02:11 PM
L95	0	L88 AND L90 AND L91	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 02:11 PM
L96	64	L89 AND L90 AND L91	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	OR	ON	ON	2022/06/01 02:11 PM

L97	0	L88 AND L89	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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 02:12 PM
L98	11	L88 AND L90	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 02:12 PM
L99	0	L88 AND L91	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	OR	ON	ON	2022/06/01 02:12 PM

L100	3556	L89 AND L90	TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 02:12 PM
L101	815	L89 AND L91	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 02:13 PM
L102	7271	L90 AND L91	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 02:13 PM
L104	61549	((snak\$3 tap\$3 chain reel bobbin spool winder roll\$3 rotat\$3 spin\$) adj2 (assembly	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 03:41 PM

		unit system device apparatus machine mechanism means module instrument tool equipment structure arrangement)) WITH (((feed\$3 guid\$3 fish\$3 push\$3 pull\$3 direct\$3 rout\$3) near2 (lead conduct\$3 strip\$3 wir\$3 cord\$3 cabl\$3 line trace (transmiss\$5 adj2 (line medium path channel link trace wir\$3)))) WITH (cavity ceiling trusses attic trailer studs conduit pipe wall frame region space structure))) AND @ad<"20191126"	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L105	732	L104 AND L91	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 03:42 PM
L106	772	(((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore) WITH ((innermost inner inward inmost) adj2 (bore wall)) WITH ((outermost outer outmost) adj2 (bore wall))) AND	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 03:44 PM

		@ad<"20191126"					
L107	0	L104 AND L106	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 03:44 PM
L108	185	((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore) WITH ((innermost inner inward inmost) adj2 (bore wall)) WITH ((outermost outer outmost) adj2 (bore wall)) WITH (snak\$3 tap\$3 chain reel bobbin spool winder roll\$3 rotat\$3 spin\$)) AND @ad<"20191126"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 03:46 PM
L109	17134851	((frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity) WITH (sav\$3 stor\$3 put\$4 load\$3 preserv\$3 contain\$3 deposit\$3 receiv\$3 reserv\$3 fill\$3 stock\$3 wind\$3 wrap\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2022/06/01 09:49 PM

L110	0	roll\$3) WITH (tape lead conduct\$3 strip\$3 wir\$3 cord\$3 cabl\$3 line trace (transmiss\$5 adj2 (line medium path channel link trace wir\$3)))) AND @ad<"20191126"	IBM_TDB)				
		L104 AND L108	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 09:51 PM
L111	64	L109 AND L108	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 09:51 PM
L112	168	((((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (tape lead conduct\$3 strip\$3 wir\$3 cord\$3 cabl\$3 line trace (transmiss\$5 adj2 (line medium path channel	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 10:08 PM

L113	793217	link trace wir\$3))) WITH (sidewall sidebore) WITH ((innermost inner inward inmost) adj2 (bore wall)) WITH ((outermost outer outmost) adj2 (bore wall))) AND @ad<"20191126" (((snak\$3 tap\$3 chain reel bobbin spool winder roll\$3 rotat\$3 spin\$) adj2 (assembly unit system device apparatus machine mechanism means module instrument tool equipment structure arrangement)) .ti.) AND @ad<"20191126"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 10:13 PM
L114	4	L113 AND L106	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 10:13 PM
L115	7279	L113 AND L104	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 10:15 PM

L116	5555	L109 AND L115	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 10:15 PM
L117	50	L89 AND L116	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 10:16 PM
L118	97966	((snak\$3 tap\$3 reel) adj2 (assembly unit system device apparatus machine mechanism means module instrument tool equipment structure arrangement)) .ti.) AND @ad<"20191126"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 11:12 PM
L119	1083	L118 AND L104	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL,	OR	ON	ON	2022/06/01 11:12 PM

L120	0	L118 AND L106	NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 11:13 PM
L121	827	L109 AND L119	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 11:13 PM
L122	7	L89 AND L121	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 11:14 PM
L123	0	L112 AND L121	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01

			USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				11:16 PM
L125	8	L91 AND L121	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 11:19 PM
L126	58	((fish adj2 (tape taping) adj2 (assembly unit system device apparatus machine mechanism means module instrument tool equipment structure arrangement)) .ti.) AND @ad<"20191126"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/02 08:01 AM
L127	0	L112 AND L126	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL,	OR	ON	ON	2022/06/02 08:05 AM

L128	33	L109 AND L126	PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/02 08:06 AM
L129	0	L128 AND L70	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/02 08:13 AM
L130	2	L128 AND (sidewall sidebore bore wall) WITH (clear transparent crystal)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/02 08:14 AM
L131	2	L128 AND (clear transparent crystal)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	OR	ON	ON	2022/06/02 08:49 AM

L132	3	L126 AND (clear transparent crystal)	AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/02 08:50 AM
L133	43	("8,651,459" OR "4,092,780" OR "4,242,574" OR "4,092,780" OR "4,747,215" OR "5,142,793" OR "7150448" OR "20060065883" OR "20050062028" OR "5,423,516" OR "6416040").pn.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/02 10:37 AM
L137	0	L133 AND (sidewall sidebore bore wall cover) WITH (clear transparent crystal visible visual\$5)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,	OR	ON	ON	2022/06/02 10:40 AM

L138	12	L133 AND (clear transparent crystal visible visual\$5)	SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/02 10:40 AM
L140	147074	((reel snak\$3 (fish adj2 (tape taping)) adj2 (assembly unit system device apparatus machine mechanism means module instrument tool equipment structure arrangement)) .ti.) AND @ad<"20191126"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/02 10:51 AM
L142	496	L140 AND ((sidewall sidebore bore wall cover) near2 (clear transparent crystal visible visual\$5))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/02 10:51 AM
L143	250	L142 AND I109	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	OR	ON	ON	2022/06/02 10:53 AM

L145	3	L143 AND ((reel snak\$3 (fish adj2 (tape taping)) adj2 (assembly unit system device apparatus machine mechanism means module instrument tool equipment structure arrangement)) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location))))	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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/02 10:55 AM
L146	7	L138 AND L109	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/02 01:53 PM
L147	31	L121 AND ((sidewall sidebore bore wall cover frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,	OR	ON	ON	2022/06/02 02:39 PM

L148	101	box case tube cassette socket body cavity) near2 (clear transparent crystal visible visual\$5 Translucent))	SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/02 02:49 PM
L149	0	L121 AND ((sidewall sidebore bore wall cover frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity) WITH (clear transparent crystal visible visual\$5 Translucent))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/02 03:18 PM
L150	4	L126 AND ((sidewall sidebore bore wall cover frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity) near2 (clear transparent crystal visible visual\$5 Translucent))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/02 03:18 PM
L151	4	L126 AND ((sidewall sidebore bore wall cover frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity) WITH (clear transparent crystal visible visual\$5 Translucent))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 08:04 AM
		(B65H75/00.cpc.) AND @ad<"20191126" AND @pd>"20220531"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	OR	ON	ON	

L152	7	(B65H75/02.cpc.) AND @ad<"20191126" AND @pd>"20220531"	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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 08:09 AM
L153	5	(B65H75/34.cpc.) AND @ad<"20191126" AND @pd>"20220531"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 08:09 AM
L154	4	(B65H75/36.cpc.) AND @ad<"20191126" AND @pd>"20220531"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	OR	ON	ON	2022/09/19 08:14 AM

L155	2	(B65H75/362.cpc.) AND @ad<"20191126" AND @pd>"20220531"	TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 08:21 AM
L156	10	(B65H75/364.cpc.) AND @ad<"20191126" AND @pd>"20220531"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 08:22 AM
L157	13	(B65H75/38.cpc.) AND @ad<"20191126" AND @pd>"20220531"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 08:26 AM
L158	6	(B65H75/40.cpc.) AND @ad<"20191126" AND @pd>"20220531"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2022/09/19 08:29 AM

L159	10	(B65H75/406.cpc.) AND @ad<"20191126" AND @pd>"20220531"	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 08:30 AM
L160	0	(B65H2701/00.cpc.) AND @ad<"20191126" AND @pd>"20220531"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 08:33 AM
L161	9	(B65H2701/30.cpc.) AND @ad<"20191126" AND @pd>"20220531"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 08:34 AM

L162	13	(B65H2701/37.cpc.) AND @ad<"20191126" AND @pd>"20220531"	WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 08:39 AM
L163	3	(B65H2701/376.cpc.) AND @ad<"20191126" AND @pd>"20220531"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 08:56 AM
L164	58	(H02G11/00.cpc.) AND @ad<"20191126" AND @pd>"20220531"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 08:58 AM
L165	29	(H02G11/006.cpc.) AND @ad<"20191126" AND @pd>"20220531"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2022/09/19 08:59 AM

L166	40	(H02G11/02.cpc.) AND @ad<"20191126" AND @pd>"20220531"	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 09:30 AM
L167	0	(H02G11/06.cpc.) AND @ad<"20191126" AND @pd>"20220531"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 09:31 AM
L168	0	(H02G11/08.cpc.) AND @ad<"20191126" AND @pd>"20220531"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 09:32 AM

L169	0	(H02G11/083.cpc.) AND @ad<"20191126" AND @pd>"20220531"	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 09:41 AM
L170	0	(H02G11/085.cpc.) AND @ad<"20191126" AND @pd>"20220531"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 09:42 AM
L171	0	(254/134.3R.ccls.) AND @ad<"20191126" AND @pd>"20220531"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 09:52 AM
L172	0	(254/134.FT.ccls.) AND @ad<"20191126" AND @pd>"20220531"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2022/09/19 09:53 AM

L173	321	(Pearson near2 Daniel).inv.	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 02:57 PM
L174	0	(L151 L152 L153 L154 L155 L156 L157 L158 L159) AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 03:04 PM
L175	0	(L161 L162 L163) AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2022/09/19 03:05 PM

L176	0	(L164 L165 L166) AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 03:06 PM
L177	4	L173 AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 03:07 PM
L178	0	(L151 L152 L153 L154 L155 L156 L157 L158 L159) AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 03:11 PM
L179	0	(L161 L162 L163) AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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,	OR	ON	ON	2022/09/19 03:12 PM

L180	0	substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 03:13 PM
L181	3	(L164 L165 L166) AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 03:13 PM
L182	0	L177 AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 03:14 PM

L183	0	WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation)) (L161 L162 L163) AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 03:15 PM
L184	0	(L164 L165 L166) AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 03:15 PM

L185	3	(circumference perimeter border borderline (boundary adj2 line) delimitation)) L181 AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 03:15 PM
L186	0	((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location))) AND @ad<"20191126" AND @pd>"20220531"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 03:30 PM
L187	5	((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light) AND @ad<"20191126"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	OR	ON	ON	2022/09/19 03:30 PM

05/31/2024 08:19:20 PM
Workspace: 18207733-16696383

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L188	9	AND @pd>"20220531" (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation)) AND @ad<"20191126" AND @pd>"20220531"	WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 03:31 PM
L189	0	L187 AND L188	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/19 03:37 PM
L190	6	(B65H75/00.cpc.) AND @ad<"20191126" AND @pd>"20220919"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	OR	ON	ON	2023/03/07 08:19 AM

L191	7	(B65H75/02.cpc.) AND @ad<"20191126" AND @pd>"20220919"	TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:19 AM
L192	14	(B65H75/34.cpc.) AND @ad<"20191126" AND @pd>"20220919"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:20 AM
L193	0	(B65H75/36.cpc.) AND @ad<"20191126" AND @pd>"20220919"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:20 AM
L194	2	(B65H75/362.cpc.) AND @ad<"20191126" AND @pd>"20220919"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:20 AM

L195	13	(B65H75/364.cpc.) AND @ad<"20191126" AND @pd>"20220919"	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:21 AM
L196	9	(B65H75/38.cpc.) AND @ad<"20191126" AND @pd>"20220919"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:22 AM
L197	13	(B65H75/40.cpc.) AND @ad<"20191126" AND @pd>"20220919"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:23 AM

L198	16	(B65H75/406.cpc.) AND @ad<"20191126" AND @pd>"20220919"	WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:23 AM
L199	3	(B65H2701/00.cpc.) AND @ad<"20191126" AND @pd>"20220919"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:26 AM
L200	1	(B65H2701/30.cpc.) AND @ad<"20191126" AND @pd>"20220919"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:28 AM
L201	22	(B65H2701/37.cpc.) AND @ad<"20191126" AND @pd>"20220919"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2023/03/07 08:28 AM

L202	5	(B65H2701/376.cpc.) AND @ad<"20191126" AND @pd>"20220919"	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:29 AM
L203	95	(H02G11/00.cpc.) AND @ad<"20191126" AND @pd>"20220919"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:30 AM
L204	80	(H02G11/006.cpc.) AND @ad<"20191126" AND @pd>"20220919"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO;	OR	ON	ON	2023/03/07 08:30 AM

L205	53	(H02G11/02.cpc.) AND @ad<"20191126" AND @pd>"20220919"	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:30 AM
L206	0	(H02G11/06.cpc.) AND @ad<"20191126" AND @pd>"20220919"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:31 AM
L207	0	(H02G11/08.cpc.) AND @ad<"20191126" AND @pd>"20220919"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:31 AM
L208	0	(H02G11/083.cpc.) AND @ad<"20191126" AND @pd>"20220919"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2023/03/07 08:32 AM

L209	0	(H02G11/085.cpc.) AND @ad<"20191126" AND @pd>"20220919"	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:32 AM
L210	329	(Pearson near2 Daniel).inv.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:32 AM
L211	1	(L190 L191 L192 L194 L195 L196 L197 L198) AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2023/03/07 08:35 AM

L212	1	(L199 L200 L201 L202) AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:36 AM
L213	0	(L203 L204 L205) AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:41 AM
L214	4	L210 AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:41 AM
L215	0	L211 AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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,	OR	ON	ON	2023/03/07 08:59 AM

L216	0	enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation))	IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:59 AM
L217	3	L212 AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:59 AM
		L214 AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:59 AM

L218	0	(hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation)) (L190 L191 L192 L194 L195 L196 L197 L198) AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 08:59 AM
L219	0	(L199 L200 L201 L202) AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 09:00 AM

L220	0	borderline (boundary adj2 line) delimitation)) (L203 L204 L205) AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 09:00 AM
L221	3	L217 AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 09:03 AM
L222	0	(L190 L191 L192 L194 L195 L196 L197 L198) AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO;	OR	ON	ON	2023/03/07 09:03 AM

L223	0	(L199 L200 L201 L202) AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 09:03 AM
L224	0	(L203 L204 L205) AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 09:04 AM
L225	1	((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location))) AND @ad<"20191126" AND @pd>"20220919"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 09:11 AM
L226	3	((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2023/03/07 09:12 AM

L227	18	substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light) AND @ad<"20191126" AND @pd>"20220919"	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 09:15 AM
L228	0	((((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation)) AND @ad<"20191126" AND @pd>"20220919"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 09:15 AM
L229	0	L225 AND L226 AND L227	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 09:15 AM

L230	0	L225 AND L227	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 09:15 AM
L231	0	L226 AND L227	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 09:15 AM
L232	0	(254/134.3R.ccls.) AND @ad<"20191126" AND @pd>"20220919"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 02:05 PM

L233	0	(254/134.3FT.ccls.) AND @ad<"20191126" AND @pd>"20220919"	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/03/07 02:05 PM
L234	342	(Pearson near2 Daniel).inv.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:22 PM
L235	16	(B65H75/00.cpc.) AND @ad<"20191126" AND @pd>"20230307"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:23 PM
L236	21	(B65H75/02.cpc.) AND @ad<"20191126" AND @pd>"20230307"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2024/05/31 05:23 PM

L237	9	(B65H75/34.cpc.) AND @ad<"20191126" AND @pd>"20230307"	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:24 PM
L238	2	(B65H75/36.cpc.) AND @ad<"20191126" AND @pd>"20230307"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:24 PM
L239	3	(B65H75/362.cpc.) AND @ad<"20191126" AND @pd>"20230307"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:24 PM

L240	16	(B65H75/364.cpc.) AND @ad<"20191126" AND @pd>"20230307"	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:24 PM
L241	68	(B65H75/38.cpc.) AND @ad<"20191126" AND @pd>"20230307"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:24 PM
L242	28	(B65H75/40.cpc.) AND @ad<"20191126" AND @pd>"20230307"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:24 PM
L243	29	(B65H75/406.cpc.) AND @ad<"20191126" AND @pd>"20230307"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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,	OR	ON	ON	2024/05/31 05:24 PM

L244	0	(B65H2701/00.cpc.) AND @ad<"20191126" AND @pd>"20230307"	IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:24 PM
L245	21	(B65H2701/30.cpc.) AND @ad<"20191126" AND @pd>"20230307"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:25 PM
L246	48	(B65H2701/37.cpc.) AND @ad<"20191126" AND @pd>"20230307"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:25 PM

L247	4	(B65H2701/376.cpc.) AND @ad<"20191126" AND @pd>"20230307"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:25 PM
L248	155	(H02G11/00.cpc.) AND @ad<"20191126" AND @pd>"20230307"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:25 PM
L249	114	(H02G11/006.cpc.) AND @ad<"20191126" AND @pd>"20230307"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:25 PM
L250	108	(H02G11/02.cpc.) AND @ad<"20191126" AND @pd>"20230307"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL,	OR	ON	ON	2024/05/31 05:26 PM

L251	0	(H02G11/06.cpc.) AND @ad<"20191126" AND @pd>"20230307"	NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:26 PM
L252	0	(H02G11/08.cpc.) AND @ad<"20191126" AND @pd>"20230307"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:26 PM
L253	0	(H02G11/083.cpc.) AND @ad<"20191126" AND @pd>"20230307"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:26 PM
L254	0	(H02G11/085.cpc.)	(US-PGPUB; USPAT;	OR	ON	ON	2024/05/31

		AND @ad<"20191126" AND @pd>"20230307"	USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				05:26 PM
L255	2	(254/134.3R.ccls.) AND @ad<"20191126" AND @pd>"20230307"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:26 PM
L256	2	(254/134.3FT.ccls.) AND @ad<"20191126" AND @pd>"20230307"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:27 PM
L257	2	"20230312303"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL,	OR	ON	ON	2024/05/31 05:28 PM

L258	2	("11713209").pn.	PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:30 PM
L259	6	L234 AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:31 PM
L260	0	(L235 L236 L237 L238 L239 L240 L241 L242 L243) AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:32 PM
L261	0	(L244 L245 L246 L247) AND (((fish flex\$3) adj2	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	OR	ON	ON	2024/05/31 05:33 PM

L262	0	tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:33 PM
L263	0	(L248 L249 L250) AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:33 PM
L264	5	(L255 L256) AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:34 PM
		L259 AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,	OR	ON	ON	2024/05/31 05:34 PM

L265	0	box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation)) (L235 L236 L237 L238 L239 L240 L241 L242 L243) AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation))	SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:34 PM
L266	0	(L244 L245 L246 L247) AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:34 PM

L267	0	orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation)) (L248 L249 L250) AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:35 PM
L268	0	(L255 L256) AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:35 PM

L269	5	L264 AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:35 PM
L270	0	(L235 L236 L237 L238 L239 L240 L241 L242 L243) AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:36 PM
L271	0	(L244 L245 L246 L247) AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:36 PM
L272	0	(L248 L249 L250) AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL,	OR	ON	ON	2024/05/31 05:36 PM

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L273	0	coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light) (L255 L256) AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:36 PM
L274	0	((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location))) AND @ad<"20191126" AND @pd>"20230307"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:37 PM
L275	7	((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light) AND @ad<"20191126" AND @pd>"20230307"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:37 PM
L276	74	((donut ring circle	(US-PGPUB; USPAT;	OR	ON	ON	2024/05/31

		doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation)) AND @ad<"20191126" AND @pd>"20230307"	USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				05:38 PM
L277	0	L275 AND L276	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/05/31 05:38 PM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N1	2	((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location))).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 09:03 PM
N2	15	((sidewall sidebore bore	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31

N3	242	wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH (light).clm.	(US-PGPUB; USPAT)	OR	ON	ON	09:04 PM
N4	1	((((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation))).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 09:04 PM
N5	1	((((fish flex\$3) adj2 tape) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH (light adj2 (source supply generat\$3 pump gun input))).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 09:04 PM

N6	1	((fish flex\$3) adj2 tape) WITH luminescen\$2 WITH (light adj2 (source supply generat\$3 pump gun input))).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 09:04 PM
N7	1	N1 AND N2 AND N3	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 09:05 PM
N8	1	N1 AND N2	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 09:05 PM
N9	1	N1 AND N3	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 09:05 PM
N10	1	N2 AND N3	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 09:05 PM
N11	1	N1 AND N2 AND N3	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 09:15 PM
N12	1	N1 AND N2	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 09:17 PM
N13	1	N1 AND N3	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 09:17 PM
N14	1	N2 AND N3	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 09:17 PM
N15	1	(((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location))).clm.) AND @pd>"20220531"	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/19 03:37 PM
N16	5	(((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/19 03:38 PM

N17	0	borderline (boundary adj2 line) delimitation)).clm.) AND @pd>"20220531" (((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH (light).clm.) AND @pd>"20220531"	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/19 03:38 PM
N18	0	N15 AND N16	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/19 03:40 PM
N19	0	(((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location))).clm.) AND @pd>"20220919"	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/07 09:16 AM
N20	2	(((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation)).clm.) AND @pd>"20220919"	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/07 09:17 AM

N21	0	((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH (light).clm.) AND @pd>"20220919"	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/07 09:17 AM
N22	4	((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location))).clm.) AND @pd>"20230307"	(US-PGPUB; USPAT)	OR	ON	ON	2024/05/31 05:39 PM
N23	16	((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation)).clm.) AND @pd>"20230307"	(US-PGPUB; USPAT)	OR	ON	ON	2024/05/31 05:39 PM
N24	2	((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film	(US-PGPUB; USPAT)	OR	ON	ON	2024/05/31 05:39 PM

		micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light).clm.) AND @pd>"20230307"					
N25	2	N22 AND N23 AND N24	(US-PGPUB; USPAT)	OR	ON	ON	2024/05/31 05:40 PM
N26	2	N22 AND N23	(US-PGPUB; USPAT)	OR	ON	ON	2024/05/31 05:40 PM
N27	2	N22 AND N24	(US-PGPUB; USPAT)	OR	ON	ON	2024/05/31 05:40 PM
N28	2	N23 AND N24	(US-PGPUB; USPAT)	OR	ON	ON	2024/05/31 05:40 PM



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/207,733	06/09/2023	Daniel R. Pearson	00058P01US	9979
144588	7590	06/03/2024		
Klein Tools, Inc 450 Bond Street Lincolnshire, IL 60069			EXAMINER NGUYEN, HOAI AN D	
			ART UNIT 2858	PAPER NUMBER
			MAIL DATE 06/03/2024	DELIVERY MODE PAPER

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.

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. A rejection based on double patenting of the “*same invention*” type finds its support in the language of 35 U.S.C. 101 which states that “whoever invents or discovers any new and useful process... may obtain *a patent* therefor...” (Emphasis added). Thus, the term “same invention,” in this context, means an invention drawn to identical subject matter. See *Miller v. Eagle Mfg. Co.*, 151 U.S. 186 (1894); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); *In re Ockert*, 245 F.2d 467, 114 USPQ 330 (CCPA 1957).

A statutory type (35 U.S.C. 101) double patenting rejection can be overcome by canceling or amending the claims that are directed to the same invention so they are no longer coextensive in scope. The filing of a terminal disclaimer cannot overcome a double patenting rejection based upon 35 U.S.C. 101.

3. Claims 1-18 are rejected under 35 U.S.C. 101 as claiming the same invention as that of claims 1-18 of prior U.S. Patent No. 11,713,209 B2. This is a statutory double patenting rejection.

CONTACT INFORMATION

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to HOAI-AN D. NGUYEN whose telephone number is (571) 272-2170. The examiner can normally be reached MON-THURS (7:00 AM - 5:00 PM).

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, LEE E. RODAK can be reached on 571-270-5628. 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.

HOAI-AN D. NGUYEN
Primary Examiner
Art Unit 2858

/HOAI-AN D. NGUYEN/
Primary Examiner, Art Unit 2858



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/207,733	06/09/2023	Daniel R. Pearson	00058P01US	9979
144588	7590	06/13/2024		
Klein Tools, Inc 450 Bond Street Lincolnshire, IL 60069			EXAMINER NGUYEN, HOAI AN D	
			ART UNIT 2858	PAPER NUMBER
			MAIL DATE 06/13/2024	DELIVERY MODE PAPER

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You recently received an Office action from your examiner. Review of your patent application is under way! You can continue to advertise or mark any products covered by your application for your invention as "Patent Pending" for as long as this application is pending. This letter provides information about how to continue through the patent application process and the help available to you on your journey.

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Ready to respond? Responding to the Office action is your opportunity to address the issues raised by your examiner. Responses must be timely, complete, and in writing. In your response, you may want to consider amending your application (www.uspto.gov/patents/maintain/responding-office-actions).

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Have questions about the Office action? Contact your examiner! A conversation with your examiner (called an "interview") may help clarify and resolve any issues and possibly identify what you can patent. While an interview does not stop the clock for your official response or substitute for a response, there is no fee for an interview. To schedule a call or video, you can:

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2. file the Applicant Initiated Interview Request form (PTOL-413A) (www.uspto.gov/sites/default/files/documents/PTOL413A.pdf); or
3. contact your examiner directly via telephone (contact information is provided at the end of your Office action).

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Best,

Vaishali Udupa
Commissioner for Patents
United States Patent and Trademark Office

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PATENT APPLICATION FEE DETERMINATION RECORD				Application or Docket Number 18/207,733		Filing Date 06/09/2023		☐ To be Mailed	
Substitute for Form PTO-875									
ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO									
APPLICATION AS FILED - PART I									
		(Column 1)			(Column 2)				
FOR		NUMBER FILED	NUMBER EXTRA		RATE (\$)		FEE (\$)		
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))		N/A	N/A		N/A				
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))		N/A	N/A		N/A				
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))		N/A	N/A		N/A				
TOTAL CLAIMS (37 CFR 1.16(i))		minus 20 = *				x \$100 =			
INDEPENDENT CLAIMS (37 CFR 1.16(h))		minus 3 = *				x \$480 =			
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))		If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))									
* If the difference in column 1 is less than zero, enter "0" in column 2.						TOTAL			
APPLICATION AS AMENDED - PART II									
AMENDMENT	08/26/2024	(Column 1)		(Column 2)	(Column 3)				
		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE (\$)	ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(i))	* 18	Minus	** 20	= 0		x \$100 =	0	
	Independent (37 CFR 1.16(h))	* 3	Minus	*** 3	= 0		x \$480 =	0	
	☐ Application Size Fee (37 CFR 1.16(s))								
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))									
							TOTAL ADD'L FEE	0	
AMENDMENT		(Column 1)		(Column 2)	(Column 3)				
		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.							PSS		
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".							/TERRANCE R LAWRENCE/		
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".									
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.									

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

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APPROVAL LETTER

APPLICATION #
18/207,733

FILING DATE
06/09/2023

APPLICANT/PATENT UNDER REEXAMINATION
Daniel Pearson

Title of Invention

GLOW FISH TAPE SYSTEM

Electronic terminal disclaimer filed on 08/26/2024

 Approved

This patent is subject to a Terminal Disclaimer

Approved / Disapproved by: Electronic Terminal Disclaimer automatically approved



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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/207,733

RECEIPT DATE / TIME
08/26/2024 02:00:38 PM Z ET

ATTORNEY DOCKET #
00058P01US

Title of Invention

GLOW FISH TAPE SYSTEM

Application Information

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

PATENT # -

CONFIRMATION # 9979

FILED BY Jeffery Fairchild

PATENT CENTER # 66925739

FILING DATE 06/09/2023

CUSTOMER # 144588

FIRST NAMED INVENTOR Daniel R. Pearson

CORRESPONDENCE ADDRESS -

AUTHORIZED BY -

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
petition-request.pdf	3	Terminal Disclaimer-Filed (Electronic)	44 KB
grantLetter.pdf	1	Terminal Disclaimer-Electronic-Approved	18 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
petition-request.pdf	65CC4B6BE1FC2B49123DF5D39455EBB864C3D3DEFD811FA C250C6635A1A6B0C6B8C6A3E21803E700D481A5BE6284E444 222037624DA7F1AD4F0FD9278DEFF440
grantLetter.pdf	71E8E71874DFABAE9A8586F09A7A341EEB79CECB42FC974

88A61992A099349BE73C79688926D9362F1174BEDD7C7A59D
22CE0908CC6C7793E935972AA35ED8B

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.

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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



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APPLICATION #
18/207,733

RECEIPT DATE / TIME
08/26/2024 02:00:38 PM Z ET

ATTORNEY DOCKET #
00058P01US

Title of Invention

GLOW FISH TAPE SYSTEM

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	9979	FILED BY	Jeffery Fairchild
PATENT CENTER #	66925739	AUTHORIZED BY	-
CUSTOMER #	144588	FILING DATE	06/09/2023
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Daniel R. Pearson

Payment Information

PAYMENT METHOD DA / 602056	PAYMENT TRANSACTION ID E20248PE01165007	PAYMENT AUTHORIZED BY Jeffery Fairchild
PRE-AUTHORIZED ACCOUNT 602056	PRE-AUTHORIZED CATEGORY 37 CFR 1.17 (Patent application and reexamination processing fees); 37 CFR 1.21 (Miscellaneous fees and charges)	

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

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New Applications Under 35 U.S.C. 111

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

Receipt will establish the filing date of the application

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

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

New International Application Filed with the USPTO as a Receiving Office

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



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**TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A PRIOR
PATENT**

APPLICATION #
18207733

FILING DATE
06/09/2023

FIRST NAMED INVENTOR
Daniel Pearson

ATTORNEY DOCKET #
00058P01US

Title of Invention

GLOW FISH TAPE SYSTEM



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
Klein Tools, Inc.	100%
Total	100%

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

Application #	Filing Date
18207733	06/09/2023

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

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

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

Patent #

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

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

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



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

Applicant claims the following entity status:

Regular Undiscounted

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

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

Signature	Name	Registration #
/Jeffery N Fairchild/	Jeffery Fairchild	37825

* 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.

PATENT ASSIGNMENT

WHEREAS, I/WE

Daniel R. Pearson

hereinafter referred to as Assignor, have invented a certain invention entitled:

GLOW FISH TAPE SYSTEM

for which invention an application (provisional or non-provisional) for a U.S. patent is attached hereto (filed on 06/09/2023, under U.S. Patent Application No. 18/207,733); and

WHEREAS, Klein Tools, Inc., of 450 Bond Street, Lincolnshire, IL 60069, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in, to, and under the invention described in the patent application, including the entire priority right derived from the application,

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

Assignor assigns and transfers to Assignee the entire right, title, and interest in, to, and under the invention, the referenced patent application, other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, national and regional phase applications, petty patent applications, and utility model applications) that may be filed in the U.S. and/or any country foreign to the U.S. on the invention, the patents that may issue thereon, and the patents as may be modified as the result of applicable procedures (e.g., supplemental examinations, ex parte reexaminations, inter partes reexaminations, inter partes reviews, post-grant reviews, and oppositions),

Assignor conveys to the Assignee the right to make applications in Assignee's own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim priority to the referenced patent application and other such applications that may be filed in the U.S. or any country foreign to the U.S. on the invention under the Patent Cooperation Treaty, the Paris Convention, and any other international arrangements,

Assignor will not execute any writing or do any act conflicting with the terms of this assignment,

Assignor will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to pursue the patent applications identified herein, including, but not limited to, rendering all necessary assistance in prosecuting

Office of the General Counsel
Klein Tools, Inc.

Page 1 of 2

applications for and obtaining patents that may issue thereon in the U.S. and any countries foreign to the U.S. on the invention, and in enforcing any rights accruing as a result of such applications or patents, by, for example, executing statements and other affidavits,

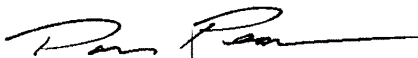
Assignor and Assignee agree the terms of this assignment shall bind, and inure to the benefit of, the legal representatives, successors, and assigns of all parties hereto,

Assignor authorizes Assignee to insert in this assignment the number and filing date of the application if the number and filing date of the application are not recited herein at the time of execution of this assignment by any or all of the parties hereto,

Assignor and Assignee agree that U.S. law governs this assignment, and Assignee acknowledges and accepts this assignment.

IN WITNESS WHEREOF, Assignor has hereunder set his/her hand on the date shown below.

Date 11/26/2019
Date 11/26/2019
Date 11/26/2019


Assignor: **Daniel R. Pearson**

Witness: **Daniel A. Flores**

Witness: **BRANDON DEASON**

STATEMENT UNDER 37 CFR 3.73(c)

First Named Inventor/Patent Owner: Klein Tools, Inc.

Application No./Patent No.: 18/207,733

Filed/Issue Date: 06/09/2023

Titled: GLOW FISH TAPE SYSTEM

Klein Tools, Inc., a corporation

(Name of Assignee)

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

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

1. ☐ The assignee of the entire right, title, and interest.
2. ☐ An assignee of less than the entire right, title, and interest (check applicable box):
- ☐ The extent (by percentage) of its ownership interest is ____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.
- ☐ There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

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

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

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

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

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

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached*.
- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ 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*.

[Page 1 of 2]

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995, unless the information collection has a currently valid OMB Control Number. The OMB Control Number for this information collection is 0651-0031. Public burden for this form is estimated to average 12 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Chief Administrative Officer, United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 or email InformationCollection@uspto.gov. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **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.

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.

/Jeffery N Fairchild/

08/26/2024

Signature

Date

Jeffery Fairchild

37825

Printed or Typed Name

Title or Registration Number

[Page 2 of 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. 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.



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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/207,733

RECEIPT DATE / TIME
08/26/2024 02:41:13 PM Z ET

ATTORNEY DOCKET #
00058P01US

Title of Invention

GLOW FISH TAPE SYSTEM

Application Information

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

PATENT # -

CONFIRMATION # 9979

FILED BY Jeffery Fairchild

PATENT CENTER # 66926918

FILING DATE 06/09/2023

CUSTOMER # 144588

FIRST NAMED INVENTOR Daniel R. Pearson

CORRESPONDENCE ADDRESS -

AUTHORIZED BY -

Documents

TOTAL DOCUMENTS: 4

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
00058P01USResponseToOfficeAction.pdf	6	Amendment/Request for Reconsideration-After Non-Final Rejection	77 KB
00058P01USOwnersStatement373.pdf	3	Assignee showing of ownership per 37 CFR 3.73	349 KB
00058P01USAssignmentSerialFilingDate.pdf	2	Assignee showing of ownership per 37 CFR 3.73	108 KB
PowerOfAttorneyForCustomerNumber144588.pdf	2	Power of Attorney	180 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
00058P01USResponseToOffice Action.pdf	DF50F269CA7F234DE2EFF92286D99F2D82F1DBE7D7C96E10 650B5E57DFA7D4B0FC1EF4B50B9A9C071D9BD41E0EF81E6A 07E6FF9D5D9D529B2890B27913AD94C9
00058P01USOwnersStatement 373.pdf	9DA7ADE69A94B112CA1CC9948E0D6881859D33FD05A88A17 EF7A947C7B4BD418984FFE314D13F377C4E110920C3429A8E 7F08A175949262D7392868EA2C2DABF
00058P01USAssignmentSerial FilingDate.pdf	F732C9EED97F583131B25918FCCA6EAA4E05C712B296DEF0 D2940AEFAAB9331DFC1F0C1709028C39C02D3F1DF2F5D508 813FFC457814355EE63D7075C50693FD
PowerOfAttorneyForCustomerN umber144588.pdf	90CC35C90C005B6690D46A29F8071B6579FA2F31FBA9BFAA7 B9B326C79180CEC6A50C3D0D272315DF01F9503B851F405A8 2DCD58134380C38C0756E973B10D4C

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New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

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:

☒

Practitioners associated with Customer Number:

144588

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:

☐

The address associated with Customer Number:

OR

☐

Firm or individual name

Address

City

State

Zip

Country

Telephone

Email

Assignee name and address: Klein Tools, Inc.
450 Bond Street, Lincolnshire, Illinois 60069

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 /Robert J. Vechiola/

Date April, 20, 2021

Name Robert J. Vechiola

Telephone 847-821-5551

Title V.P., General Counsel & Corporate Secretary

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.

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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application No. 18/207,733

Confirmation No. 9979

First Named Inventor: Pearson

Filed or 371 Date: 06/09/2023

TC/AU: 2858

Examiner: Nguyen, Hoai An D

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Response

Sir, in response to the Office Action dated 06/03/2024 Applicant hereby responds as follows:

Amendments to the Claims

Please amend the claims as follows:

Claims 1-18 (canceled)

19. (Currently amended) A fish tape system comprising:

a fish tape having a length extending from a first end to a second end, the length of the fish tape comprising a luminescent material that emits light after being energized by exposure to a light source;

a donut shaped case having a pair of sidewalls extending between a radially innermost wall and a radially outermost wall, the outermost wall having an annular opening extending around a circumference of the outer wall, the sidewalls being spaced from each other to define a fish tape storage compartment that stores the length of fish tape for deployment via the annular opening in the case; and

a handle engaged with the fish tape and mounted to slide within the annular opening of the case around the entire circumference of the outer wall to deploy the fish tape from the storage compartment and to reload the fish tape into the compartment;

wherein at least one of the sidewalls of the case is configured to allow the luminescent material to be energized by light passing through the at least one of the sidewalls.

20. (Currently amended) The fish tape system of claim 19 wherein both of the sidewalls of the case are configured to allow the luminescent material to be energized by light passing through the sidewalls.

21. (Currently amended) The fish tape system of claim 20 wherein at least one of the innermost and outermost walls is configured to allow the luminescent material to be energized by light passing through the sidewalls.

22. (Currently amended) The fish tape system of claim 19 wherein one of the sidewalls and portions of the innermost and outermost walls are defined by a first component of the case, and the other of the sidewalls and other portions of the innermost and outermost walls are defined by a second component of the case, the first and second components being assembled together to form the storage compartment.

23. (Currently amended) The fish tape system of claim 19 wherein the fish tape further comprises a threaded opening in at least one of the first and second ends.

24. (Currently amended) A fish tape system comprising:

a fish tape having a length extending from a first end to a second end, the length of the fish tape comprising a luminescent material that emits light after being energized by exposure to a light source;

a donut shaped case having a pair of sidewalls extending between a radially innermost wall and a radially outermost wall, an annular opening extending around a circumference of one of the inner and outer walls, the sidewalls being spaced from each other to define a fish tape storage compartment that stores the length of fish tape for deployment via the annular opening in the case; and

a handle engaged with the fish tape and mounted to slide within the annular opening of the case around the entire circumference to deploy the fish tape from the storage compartment and to reload the fish tape into the compartment;

wherein at least a portion of the case is configured to allow the luminescent material to be energized by light passing through the portion.

25. (Currently amended) The fish tape system of claim 24 wherein at least a portion of at least one of the sidewalls of the case is configured to allow the luminescent material to be energized by light passing through the at least one of the sidewalls.

26. (Currently amended) The fish tape system of claim 24 wherein at least portions of both of the sidewalls of the case are configured to allow the luminescent material to be energized by light passing through the sidewalls.

27. (Currently amended) The fish tape system of claim 24 wherein at least portions of all the walls of the case are transparent.

28. (Currently amended) The fish tape system of claim 24 wherein one of the sidewalls and portions of the innermost and outermost walls are defined by a first component of the case, and the other of the sidewalls and other portions of the innermost and outermost walls are defined by a second component of the case, the first and second components being assembled together to form the storage compartment.

29. (Currently amended) The fish tape system of claim 28 wherein at least one of the first and second components comprises a transparent material.

30. (Currently amended) The fish tape system of claim 28 wherein both of the first and second components comprises a transparent material.

31. (Currently amended) The fish tape system of claim 24 wherein the fish tape further comprises a threaded opening in at least one of the first and second ends.

32. (Currently amended) A fish tape system comprising:
a fish tape having a length extending from a first end to a second end, the length of the fish tape comprising a luminescent material that emits light after being energized by exposure to a light source;
a case having a fish tape storage compartment that stores the length of fish tape for deployment and reloading via an annular opening in the case; and
a handle engaged with the fish tape and mounted to slide within the annular opening of the case around an entire circumference of the annular opening to deploy the fish tape from the storage compartment and to reload the fish tape into the compartment;
wherein at least a portion of the case is configured to allow the luminescent material to be energized by light passing through the portion and into the storage compartment.

33. (Currently amended) The fish tape system of claim 32 wherein the storage compartment has an annular shape bounded by a pair of spaced sidewalls.

34. (Currently amended) The fish tape system of claim 33 wherein at least a portion of at least one of the sidewalls is transparent.

35. (Currently amended) The fish tape system of claim 34 wherein portions of both of the sidewalls are transparent.

36. (Currently amended) The fish tape system of claim 34 wherein the case comprises a pair of components that are joined to each other to define the storage compartment, and at least one of the pair of components comprises a transparent material.

Remarks/Arguments

Claims 1-18 have been cancelled. Claims 19-36 have been added and are at issue.

The rejection of claims 1-18 is traversed as moot in view of the cancellation of the rejected claims. Nevertheless, a Terminal Disclaimer has been filed concurrently herewith to overcome any future rejection based on obviousness double patenting.

Reconsideration of the rejection and consideration of the added claims is respectfully requested.

If there are any other issues remaining which the Examiner believes could be resolved through either a Supplemental Response or an Examiner's Amendment, the Examiner is respectfully requested to contact the undersigned at the telephone number indicated below.

Dated: **8/26/2024**

Respectfully submitted,

By Jeffery N. Fairchild/

Jeffery N. Fairchild, Reg. No. 37825

Klein Tools
450 Bond Street
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(847) 821-5549 (Telephone)
Attorney for Applicant



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
18/207,733	06/09/2023	Daniel R. Pearson	00058P01US

CONFIRMATION NO. 9979

POA ACCEPTANCE LETTER



OC000000077136243

144588
Klein Tools, Inc
450 Bond Street
Lincolnshire, IL 60069

Date Mailed: 08/30/2024

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 08/26/2024.

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.

/mteklelmichael/

Issue Classification 	Application/Control No. 18/207,733	Applicant(s)/Patent Under Reexamination Pearson, Daniel R.
	Examiner HOAI-AN D NGUYEN	Art Unit 2858

CPC						
Symbol					Type	Version
B65H	/	75	/	406	F	2013-01-01
H02G	/	11	/	02	I	2013-01-01
B65H	/	2701	/	376	A	2013-01-01

CPC Combination Sets							
Symbol				Type	Set	Ranking	Version
	/		/				

Use images from artifact folder? ☒ Yes ☐ No			
NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	18	
/HOAI-AN D. NGUYEN/ Primary Examiner, Art Unit 2858	28 August 2024	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	19	1

Issue Classification 	Application/Control No. 18/207,733	Applicant(s)/Patent Under Reexamination Pearson, Daniel R.
	Examiner HOAI-AN D NGUYEN	Art Unit 2858

INTERNATIONAL CLASSIFICATION				
CLAIMED				
B65H	/	75	/	40
H02G	/	11	/	02
NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS
254	134.3FT

CROSS REFERENCES(S)						
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					
254	134.3R					

Use images from artifact folder? ☒ Yes ☐ No			
NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	18	
/HOAI-AN D. NGUYEN/ Primary Examiner, Art Unit 2858	28 August 2024	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	19	1

Issue Classification 	Application/Control No. 18/207,733	Applicant(s)/Patent Under Reexamination Pearson, Daniel R.
	Examiner HOAI-AN D NGUYEN	Art Unit 2858

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47															
CLAIMS															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
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-	2	-	11	2	20	11	29								
-	3	-	12	3	21	12	30								
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-	5	-	14	5	23	14	32								
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-	8	-	17	8	26	17	35								
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Use images from artifact folder? ☒ Yes ☐ No			
NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	18	
/HOAI-AN D. NGUYEN/ Primary Examiner, Art Unit 2858	28 August 2024	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	19	1

Search Notes 	Application/Control No. 18/207,733	Applicant(s)/Patent Under Reexamination Pearson, Daniel R.
	Examiner HOAI-AN D NGUYEN	Art Unit 2858

CPC - Searched*		
Symbol	Date	Examiner
B65H75/00, 02, 34, 36, 362, 364, 38, 40, 406 (Updated).	08/27/2024	HADN
B65H2701/00, 30, 37, 376 (Updated).	08/27/2024	HADN
H02G11/00, 006, 02, 06, 08, 083, 085 (Updated).	08/27/2024	HADN

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
254	134.3R, 134.3FT (Updated).	08/27/2024	HADN

* 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
Reviewed all previously searched prior art references in the parent case.	08/27/2024	HADN
Inventor's name searched.	08/27/2024	HADN
Text search in PE2E SEARCH.	08/28/2024	HADN

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
Interference Search History Printout.		08/28/2024	HADN

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<i>Search Notes</i> 	Application/Control No. 18/207,733	Applicant(s)/Patent Under Reexamination Pearson, Daniel R.
	Examiner HOAI-AN D NGUYEN	Art Unit 2858

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Bibliographic Data

Application No: 18/207,733

Foreign Priority claimed: ☐ Yes ☒ No

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

Verified and Acknowledged:

/HOAI-AN D. NGUYEN/

Examiner's Signature Initials

Title:

GLOW FISH TAPE SYSTEM

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
06/09/2023	254	2858	00058P01US
RULE			

APPLICANTS

Klein Tools, Inc.,

INVENTORS

Daniel R. Pearson, Fortworth, TX, UNITED STATES

CONTINUING DATA

This application is a CON of 16696383 11/26/2019 PAT 11713209

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

06/27/2023

STATE OR COUNTRY

UNITED STATES

ADDRESS

Klein Tools, Inc
450 Bond Street
Lincolnshire, IL 60069
UNITED STATES

FILING FEE RECEIVED

\$1,820

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
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L299	2	(254/134.3R.ccls.) AND @ad<"20191126" AND @pd>"20230307"	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/08/27 11:47 PM
L300	2	(254/134.3FT.ccls.) AND @ad<"20191126" AND @pd>"20230307"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/08/27 11:48 PM
L301	6	L278 AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/08/28 07:45 AM
L302	0	(L279 L280 L281 L283 L284 L285 L286 L287) AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2024/08/28 07:49 AM

		adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L303	0	(L289 L290) AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/08/28 07:49 AM
L304	0	(L292 L293L294) AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/08/28 07:51 AM
L305	0	(L299 L300) AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/08/28 07:52 AM

L306	5	L301 AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation))	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/08/28 07:53 AM
L307	0	(L279 L280 L281 L283 L284 L285 L286 L287) AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/08/28 07:58 AM
L308	0	(L289 L290) AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2024/08/28 07:59 AM

L309	0	receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation)) (L292 L293L294) AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation))	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/08/28 08:00 AM
L310	0	(L299 L300) AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/08/28 08:00 AM

L311	5	socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation)) L306 AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/08/28 08:02 AM
L312	0	(L279 L280 L281 L283 L284 L285 L286 L287) AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/08/28 08:03 AM
L313	0	(L289 L290) AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	OR	ON	ON	2024/08/28 08:03 AM

L315	0	(L292 L293 L294) AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/08/28 08:04 AM
L316	0	(L299 L300) AND ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/08/28 08:04 AM
L317	0	(L292 L293 L294) AND (((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location)))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/08/28 08:04 AM
L318	0	(L292 L293 L294) AND (((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2024/08/28 08:06 AM

L319	0	form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation)) ((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location))) AND @ad<"20191126" AND @pd>"20230307"	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/08/28 08:14 AM
L320	94	((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/08/28 08:14 AM

L321	11	perimeter border borderline (boundary adj2 line) delimitation)) AND @ad<"20191126" AND @pd>"20230307" ((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light) AND @ad<"20191126" AND @pd>"20230307"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/08/28 08:15 AM
L322	0	L320 AND L321	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, 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, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/08/28 08:16 AM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N29	0	(((fish flex\$3) adj2 tape) WITH (length size dimension width range distance) WITH (first adj2 (end\$3 terminal point node location)) WITH (second adj2 (end\$3 terminal point node location))).clm.) AND @pd>"20240531"	(US-PGPUB; USPAT)	OR	ON	ON	2024/08/28 08:38 AM
N30	2	(((donut ring circle doughnut annulus circular annular) adj2 (frame fixture structure	(US-PGPUB; USPAT)	OR	ON	ON	2024/08/28 08:40 AM

N31	0	form shap\$3 enclose receptacle container holder reservoir enclosure infrastructure chassis housing house framework shell chamber tank envelope box case tube cassette socket body cavity)) WITH (sidewall sidebore bore wall) WITH radial\$2 WITH (hole opening aperture orifice outlet entrance port recess window through thru) WITH (circumference perimeter border borderline (boundary adj2 line) delimitation)).clm.) AND @pd>"20240531" (((sidewall sidebore bore wall) WITH (clear transparent crystal) WITH (luminescent adj2 (material substance media medium substrate sheet film micro\$1film seal\$3 coat\$3 protect\$3 layer pad wafer lamina plane cover screen compound)) WITH light).clm.) AND @pd>"20240531"	(US-PGPUB; USPAT)	OR	ON	ON	2024/08/28 08:41 AM
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NOTICE OF ALLOWANCE AND FEE(S) DUE

144588 7590 09/04/2024
Klein Tools, Inc
450 Bond Street
Lincolnshire, IL 60069

EXAMINER

NGUYEN, HOAI AN D

ART UNIT

PAPER NUMBER

2858

DATE MAILED: 09/04/2024

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/207,733	06/09/2023	Daniel R. Pearson	00058P01US	9979

TITLE OF INVENTION: GLOW FISH TAPE SYSTEM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	12/04/2024

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)

144588 7590 09/04/2024
Klein Tools, Inc
450 Bond Street
Lincolnshire, IL 60069

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.
18/207,733	06/09/2023	Daniel R. Pearson	00058P01US	9979

TITLE OF INVENTION: GLOW FISH TAPE SYSTEM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	12/04/2024

EXAMINER	ART UNIT	CLASS-SUBCLASS
NGUYEN, HOAI AN D	2858	254-1343FT

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

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

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

2. For printing on the patent front page, list

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

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

3 _____

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

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

(A) NAME OF ASSIGNEE

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

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

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

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

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

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

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

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

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

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

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

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

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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.
18/207,733	06/09/2023	Daniel R. Pearson	00058P01US	9979
144588	7590	09/04/2024	EXAMINER	
Klein Tools, Inc 450 Bond Street Lincolnshire, IL 60069			NGUYEN, HOAI AN D	
			ART UNIT	PAPER NUMBER
			2858	
DATE MAILED: 09/04/2024				

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. 18/207,733		Applicant(s) Pearson, Daniel R.	
	Examiner HOAI-AN D NGUYEN		Art Unit 2858	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 the Amendment filed on August 26, 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 19-36. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
Certified copies:
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
* Certified copies not received: _____.

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

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

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

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

Attachment(s)

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

/HOAI-AN D. NGUYEN/ Primary Examiner, Art Unit 2858	
--	--

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. Receipt is acknowledged of the Amendment filed on August 26, 2024. Accordingly, claims 1-18 are cancelled; and newly added claims 19-36 are currently pending in the application.

Terminal Disclaimer

3. The terminal disclaimer filed on August 26, 2024 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of U.S. Patent No. 11,713,209 B2 has been reviewed and is accepted. The terminal disclaimer has been recorded.

EXAMINER'S AMENDMENT

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee. The purpose of the examiner's amendment was to correct informalities in the claims in order to place this application in condition for allowance.

5. The application has been amended as follows:

With regard to claims 19-36, each claim identifier, "Currently amended" in line 1, of these claims has been replaced with -- New --.

Allowable Subject Matter

6. Claims 19-36 are allowed.

7. The following is an examiner's statement of reasons for allowance:

With regard to claims 19-36, these claims are allowed at least by virtue of the submission of the terminal disclaimer for disclaiming the terminal portion of any patent granted on this application, which would extend beyond the expiration date of U.S. Patent No. 11,713,209 B2.

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."

CONTACT INFORMATION

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to HOAI-AN D. NGUYEN whose telephone number is (571) 272-2170. The examiner can normally be reached MON-THURS (7:00 AM - 5:00 PM).

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, LEE E. RODAK can be reached on 571-270-5628. 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.

HOAI-AN D. NGUYEN
Primary Examiner
Art Unit 2858

/HOAI-AN D. NGUYEN/
Primary Examiner, Art Unit 2858



UNITED STATES
PATENT AND TRADEMARK OFFICE

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

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/207,733

RECEIPT DATE / TIME
12/04/2024 02:05:44 PM Z ET

ATTORNEY DOCKET #
00058P01US

Title of Invention

GLOW FISH TAPE SYSTEM

Application Information

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

PATENT # -

CONFIRMATION # 9979

FILED BY Jeffery Fairchild

PATENT CENTER # 68221710

FILING DATE 06/09/2023

CUSTOMER # 144588

FIRST NAMED INVENTOR Daniel R. Pearson

CORRESPONDENCE ADDRESS -

AUTHORIZED BY -

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
00058P01USIssueFeeTransmittal.pdf	1	Issue Fee Payment (PTO-85B)	174 KB
00058P01US2ndOwnersStatement373.pdf	3	Assignee showing of ownership per 37 CFR 3.73	224 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
00058P01USIssueFeeTransmittal.pdf	2B755C1E36A38D56375F3E14CB6ADE5CB3D277E3A398082F169C922B105F59001C19DAD16B5DEAD1C7820D512C0A19560ED1F36068A8468C13E8003DBB032084
00058P01US2ndOwnersStatement	67C06340F922CB0786BABF537C4C94F771D0F1F42C059A9D3

ent373.pdf

D32B679F0C1858BF5DBDBDF6ACB94B257F4BC223D7E24074
CE717D0F3C41847AE7BFA3BBF15E936

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 OFFICEP.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov**ELECTRONIC PAYMENT RECEIPT**APPLICATION #
18/207,733RECEIPT DATE / TIME
12/04/2024 02:05:44 PM Z ETATTORNEY DOCKET #
00058P01US**Title of Invention**

GLOW FISH TAPE SYSTEM

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

PATENT # -

CONFIRMATION # 9979

FILED BY Jeffery Fairchild

PATENT CENTER # 68221710

AUTHORIZED BY -

CUSTOMER # 144588

FILING DATE 06/09/2023

CORRESPONDENCE
ADDRESS -FIRST NAMED
INVENTOR Daniel R. Pearson**Payment Information**PAYMENT METHOD
DA / 602056PAYMENT TRANSACTION ID
E2024B4E07107621PAYMENT AUTHORIZED BY
Jeffery FairchildPRE-AUTHORIZED ACCOUNT
602056

PRE-AUTHORIZED CATEGORY

37 CFR 1.17 (Patent application and reexamination processing 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.

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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)

144588 7590 09/04/2024
Klein Tools, Inc
450 Bond Street
Lincolnshire, IL 60069

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.
18/207,733	06/09/2023	Daniel R. Pearson	00058P01US	9979

TITLE OF INVENTION: GLOW FISH TAPE SYSTEM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	12/04/2024

EXAMINER	ART UNIT	CLASS-SUBCLASS
NGUYEN, HOAI AN D	2858	254-1343FT

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

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/AIA/122 or PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

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

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

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

(A) NAME OF ASSIGNEE

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

Klein Tools, Inc.

Lincolnshire, Illinois

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

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

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

- ☒ Electronic Payment via the USPTO patent electronic filing system ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

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

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
- ☐ Applicant asserting small entity status. See 37 CFR 1.27
- ☐ Applicant changing to regular undiscounted fee status.

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

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

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

Authorized Signature Jeffery Fairchild
Typed or printed name Jeffery Fairchild

Date 12-04-24
Registration No. 37825

STATEMENT UNDER 37 CFR 3.73(c)

First Named Inventor/Patent Owner: Klein Tools, Inc.

Application No./Patent No.: 18/207,733

Filed/Issue Date: 06/09/2023

Titled: GLOW FISH TAPE SYSTEM

Klein Tools, Inc., a corporation

(Name of Assignee)

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

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

1. ☒ The assignee of the entire right, title, and interest.
2. ☐ An assignee of less than the entire right, title, and interest (check applicable box):
- ☐ The extent (by percentage) of its ownership interest is ____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.
- ☐ There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

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

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

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

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

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

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 068396, Frame 0799, 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*.

[Page 1 of 2]

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995, unless the information collection has a currently valid OMB Control Number. The OMB Control Number for this information collection is 0651-0031. Public burden for this form is estimated to average 12 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Chief Administrative Officer, United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 or email InformationCollection@uspto.gov. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **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.

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.

/Jeffery N Fairchild/

12/04/2024

Signature

Date

Jeffery Fairchild

37825

Printed or Typed Name

Title or Registration Number

[Page 2 of 2]

Privacy Act Statement

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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/207,733	01/07/2025	12187573	00058P01US	9979

144588 7590 12/18/2024
Klein Tools, Inc
450 Bond Street
Lincolnshire, IL 60069

ISSUE NOTIFICATION

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

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

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

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

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

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

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

Daniel R. Pearson, Fortworth, TX;

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

Klein Tools, Inc., Lincolnshire, IL;

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/207,733	06/09/2023	Daniel R. Pearson	00058P01US	9979
144588	7590	01/08/2025		
Klein Tools, Inc 450 Bond Street Lincolnshire, IL 60069			EXAMINER NGUYEN, HOAI AN D	
			ART UNIT 2858	PAPER NUMBER
			MAIL DATE 01/08/2025	DELIVERY MODE PAPER

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.

APPLICATION NO.	ISSUE DATE	PATENT NO.
18/207,733	07-Jan-2025	12187573

Klein Tools, Inc
450 Bond Street
Lincolnshire, IL 60069

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