



UNITED STATES
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ELECTRONIC PAYMENT RECEIPT

APPLICATION #
18/602,822

RECEIPT DATE / TIME
10/29/2025 11:42:09 AM Z ET

ATTORNEY DOCKET #
TETH143.02

Title of Invention

Bridge Rope Assembly

Application Information

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

PATENT # -

CONFIRMATION # 4963

FILED BY Sara Egge

PATENT CENTER # 72951826

AUTHORIZED BY Brendan Dix

CUSTOMER # 44088

FILING DATE 03/12/2024

CORRESPONDENCE
ADDRESS -

FIRST NAMED
INVENTOR Walter Ernest Power II

Payment Information

PAYMENT METHOD
CARD / 3990

PAYMENT TRANSACTION ID
E20250SB43335962

PAYMENT AUTHORIZED BY
Sara Egge

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
2501	UTILITY ISSUE FEE	516.00	1	516.00
TOTAL AMOUNT:				\$516.00

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

New Applications Under 35 U.S.C. 111

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

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

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

Ex. 1006-1

New International Application Filed with the USPTO as a Receiving Office

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



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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

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FIRST NAMED
INVENTOR Walter Ernest Power II

CORRESPONDENCE
ADDRESS -

AUTHORIZED BY Brendan Dix

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
TETH14302PTOI85.pdf	2	Issue Fee Payment (PTO-85B)	592 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
TETH14302PTOI85.pdf	1A4A7D4393171CD884F865105810358CB50B726C89002CE546 6CEAC5EA7537D5BA56ECC62A37A404AE29C7E4C3B4EB76E 6E7F90FD1DFE03DE308CAA47332E7A4

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

44088 7590 07/29/2025
KAUFHOLD DIX PATENT LAW
P. O. BOX 89626
SIOUX FALLS, SD 57109

EXAMINER

STERLING, AMY JO

ART UNIT

PAPER NUMBER

3631

DATE MAILED: 07/29/2025

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/602,822	03/12/2024	Walter Ernest Power II	TETH143.02	4963

TITLE OF INVENTION: Bridge Rope Assembly

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$516	\$0.00	\$0.00	\$516	10/29/2025

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)

44088 7590 07/29/2025
KAUFHOLD DIX PATENT LAW
P. O. BOX 89626
SIOUX FALLS, SD 57109

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.

<i>Sara Eagle</i>	(Typed or printed name)
<i>Sara Eagle</i>	(Signature)
10/29/25	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/602,822	03/12/2024	Walter Ernest Power II	TETH143.02	4963

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EXAMINER	ART UNIT	CLASS-SUBCLASS
STERLING, AMY JO	3631	248-205100

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

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

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

2. For printing on the patent front page, list

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

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

1 _____
2 _____
3 _____

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

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

(A) NAME OF ASSIGNEE

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

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

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

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

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

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

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

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ 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 *Brendan B Dix*

Date 7-30-25

Typed or printed name Brendan B Dix

Registration No. 37,313

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

Assignment ID: PATI1287854

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	Walter Ernest Power II	09/15/2025
	Gregory Alan GODFREY	09/15/2025
	Carl Eugene KOSSUTH III	09/11/2025
RECEIVING PARTY DATA		
Company Name:	Tethrd LLC	
Street Address:	2409 Pulaski Hwy	
City:	Columbia	
State/Country:	TENNESSEE	
Postal Code:	38401	
PROPERTY NUMBERS Total: 7		
Property Type	Number	
Application Number:	19284965	
Application Number:	18671581	
Application Number:	18602822	
Application Number:	17867553	
Application Number:	17231717	
Application Number:	17022844	
Application Number:	16736345	
CORRESPONDENCE DATA		
Fax Number:		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	(404)868-2773	
Email:	sgellineau@bradley.com	
Correspondent Name:	Sandy Gellineau	
Address Line 1:	Bradley Arant Boulton Cummings LLP	
Address Line 2:	1230 Peachtree Street NE, Promenade Tower, Ste 2100	
Address Line 4:	Atlanta, GEORGIA 30309	
ATTORNEY DOCKET NUMBER:	305774-401012	
NAME OF SUBMITTER:	Sandy Barthelus Gellineau	

Ex. 1006-1

SIGNATURE:	/Sandy Barthelus Gellineau/
DATE SIGNED:	09/17/2025
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 8 source=305774-401011_401012-Assignment fully executed#page1.tiff source=305774-401011_401012-Assignment fully executed#page2.tiff source=305774-401011_401012-Assignment fully executed#page3.tiff source=305774-401011_401012-Assignment fully executed#page4.tiff source=305774-401011_401012-Assignment fully executed#page5.tiff source=305774-401011_401012-Assignment fully executed#page6.tiff source=305774-401011_401012-Assignment fully executed#page7.tiff source=305774-401011_401012-Assignment fully executed#page8.tiff	

ASSIGNMENT

THIS ASSIGNMENT is made by **Walter Ernest POWER, II** residing at Carver, MN, **Gregory Alan GODFREY**, residing at Richmond Hill, GA, and **Carl Eugene KOSSUTH, III**, residing at Rolla, MO (hereinafter referred to as “**Assignors**”).

WHEREAS, Assignors has invented certain new and useful inventions and improvements set forth in applications for Letters Patent of the United States and certain foreign countries, the applications for which are listed on **Exhibit A** which is attached hereto (hereinafter referred to as the “**Applications**”).

WHEREAS, **Tethrd LLC**, a corporation organized under and pursuant to the laws of the State of Delaware, having its principal place of business at **2409 Pulaski Hwy, Columbia, TN 38401** (hereinafter referred to as “**Assignee**”), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and Application, and in and to any and all direct and indirect divisions, non-provisional applications, continuations and continuations-in-part of said Application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and Application, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of the Application and any Letters Patent issuing therefrom for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Application, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of the Application, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors warrant and represent that the Assignors individually are not aware of any information that is material to patentability of the above-mentioned inventions, namely, any information that, alone or in combination with other information, establishes on its face the unpatentability of the inventions or is inconsistent with arguments of patentability made to the U.S. Patent & Trademark Office. Material information may include devices, products, publications, and so forth, that are similar to the present inventions, and/or any public disclosure, commercial use, or offer for sale more than one year prior to the filing date of the Application.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the

Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

BRADLEY ARANT BOULT CUMMINGS LLP

All practitioners at Customer Number 24728

[Signatures are on following pages.]

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of

9/1 52025 | 2:26 PM CDT, 2025.

Walter Ernest Power, II

Walter Ernest POWER, II

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of

9/15/2025 | 6:53 AM PDT, 2025.



Gregory Alan GODFREY

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of

9/11/2025 | 12:19 PM CDT, 2025.

Carl Eugene Kossuth, III

Carl Eugene KOSSUTH, III

ASSIGNEE:
_____ day of 9/15/2025 | 2:26 PM CDT
_____, 2025

Walter Ernest Power, II

Name: Walter Ernest Power, II

Title: CTO

Tethrd LLC

EXHIBIT A**Patents**

<u>TITLE</u>	<u>APPLICATION NO./ PATENT NO. JURISDICTION</u>	<u>FILING DATE ISSUE DATE</u>	<u>STATUS</u>
BRIDGE ROPE ASSEMBLY	19/284,965 N/A U.S.	July 30, 2025 N/A	PENDING
BRIDGE ROPE ASSEMBLY	18/671,581 N/A U.S.	May 22, 2024 N/A	PENDING
BRIDGE ROPE ASSEMBLY	18/602,822 N/A U.S.	March 12, 2024 N/A	PENDING
BRIDGE ROPE ASSEMBLY	17/867,553 11,964,175 U.S.	July 18, 2022 April 23, 2024	ISSUED
BRIDGE ROPE ASSEMBLY	17/231,717 11,504,556 U.S.	April 15, 2021 November 22, 2022	ISSUED
BRIDGE ROPE ASSEMBLY	17/022,844 N/A U.S.	September 16, 2020 N/A	ABANDONED
BRIDGE ROPE ASSEMBLY	16/736,345 N/A U.S.	January 7, 2020 N/A	ABANDONED



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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NOTICE OF ALLOWANCE AND FEE(S) DUE

4488 759 07/29/2025
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EXAMINER

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HOW TO REPLY TO THIS NOTICE:

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Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

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

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

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

2. For printing on the patent front page, list

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

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

1 _____

2 _____

3 _____

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

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

(A) NAME OF ASSIGNEE

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

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

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

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

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

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

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

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

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

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

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

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

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/602,822	03/12/2024	Walter Ernest Power II	TETH143.02	4963
EXAMINER				
STERLING, AMY JO				
ART UNIT			PAPER NUMBER	
3631				
DATE MAILED: 07/29/2025				

44088 7590 07/29/2025
KAUFHOLD DIX PATENT LAW
P. O. BOX 89626
SIOUX FALLS, SD 57109

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. 18/602,822	Applicant(s) Power et al.	
	Examiner AMY J STERLING	Art Unit 3631	AIA (First Inventor to File) Status Yes

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

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

1. ☒ This communication is responsive to 6/9/2025.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are 1-15 . 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. _____. | |

/AMY J. STERLING/
Primary Examiner, Art Unit 3631

7/16/2025

Notice of Pre-AIA or AIA Status

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

Notice of Allowance

This is the Notice of Allowance for application number 18/602,822 BRIDGE ROPE ASSEMBLY filed on 3/12/2024. Claims 1-15 are allowed.

Reasons for Allowance

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

With regards to claim 1, the prior art of record (10,953,971 to Brannock, Jr.) teaches a rope assembly (10) including a main body (12) comprising a rope having a first end (18) and a second end (16), the main body having a splice (20) therein to form an eye loop (22) in the main body, the main body having a first portion (18) including the first end and a second portion (16) including the second end. The prior art does not teach the first portion extending through the second portion of the main body such that the first end is positioned within the second portion adjacent to the second end; and the main body being attached to the tree rope between the eye loop and the second end.

Conclusion

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." Any inquiry concerning this communication

should be directed to Amy J. Sterling at telephone number 571-272-6823 or to SPE Jonathan Liu at 571-272-8227. Any inquiry of a general -nature or relating to the status of this application should be directed to the Technology Center receptionist at 571-272-3600.

/AMY J. STERLING/
Primary Examiner, Art Unit 3631
7/16/25

<i>Notice of References Cited</i>	Application/Control No. 18/602,822		Applicant(s)/Patent Under Reexamination Power et al.	
	Examiner AMY J STERLING		Art Unit 3631	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-10953971-B1	2021-03-23	Brannock, Jr.; James B.	B63H9/10	1/1
	B					
	C					
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

<i>Search Notes</i> 	Application/Control No. 18/602,822	Applicant(s)/Patent Under Reexamination Power et al.
	Examiner AMY J STERLING	Art Unit 3631

CPC - Searched*		
Symbol	Date	Examiner
A62B35/0075 A62B35/0012 A62B35/0037 A01M31/02	04/30/2025	AJS
updated	07/16/2025	AJS

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* 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
See attached; inventor search	04/30/2025	AJS

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
see attached		07/16/2025	AJS

/AMY J. STERLING/ Primary Examiner, Art Unit 3631	7/16/2025
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Issue Classification 	Application/Control No. 18/602,822	Applicant(s)/Patent Under Reexamination Power et al.
	Examiner AMY J STERLING	Art Unit 3631

CPC						
Symbol					Type	Version
A62B	/	35	/	0075	F	2013-01-01
A62B	/	35	/	0037	I	2013-01-01
A62B	/	35	/	0012	I	2013-01-01

CPC Combination Sets				
Symbol		Type	Set	Ranking
	/		/	

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	15	
/AMY J. STERLING/ Primary Examiner, Art Unit 3631	16 July 2025	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	3

Issue Classification 	Application/Control No. 18/602,822	Applicant(s)/Patent Under Reexamination Power et al.
	Examiner AMY J STERLING	Art Unit 3631

INTERNATIONAL CLASSIFICATION			
CLAIMED			
B63H	/	9	/ 10
NON-CLAIMED			
	/		/

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS

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

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	15	
/AMY J. STERLING/ Primary Examiner, Art Unit 3631	16 July 2025	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	3

Issue Classification 	Application/Control No. 18/602,822	Applicant(s)/Patent Under Reexamination Power et al.
	Examiner AMY J STERLING	Art Unit 3631

☒ 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

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 15	
/AMY J. STERLING/ Primary Examiner, Art Unit 3631 (Primary Examiner) _____ (Date) 16 July 2025		O.G. Print Claim(s) 1	O.G. Print Figure 3

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	13	"11964175"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, CA, CH, CN, DD, DE, EA, EP, ES, FR, GB, JP, KR, OA, RU, SU, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/04/30 03:02 PM
L2	2	("11964175").pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, CA, CH, CN, DD, DE, EA, EP, ES, FR, GB, JP, KR, OA, RU, SU, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/04/30 03:03 PM
L3	23	("8061479" "8292028" "8356691" "8584799" "9003579" "9320925" "9808659" "10258814" "10918194" "11511141" "11597476" "20060207828" "20080000719" "20080179136" "20090255756" "20100162882" "20190134438" "20190210696" "20210076666" "20220241624" "20220249886" "20230054395" "20230173312").pn. OR ("11964175").urpn. AND (PGPB USPT USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2025/04/30 03:05 PM
L4	9309	(A62B35/0075 or A62B35/0012 or A62B35/0037 or A01M31/02).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, CA, CH, CN, DD, DE, EA, EP, ES, FR, GB, JP, KR, OA, RU, SU, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/04/30 03:06 PM
L5	98	((("POWER") near3 ("Walter"))) OR ((("GODFREY") near3 ("Gregory"))) OR	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2025/04/30 03:13 PM

L6	344	((("KOSSUTH") near3 ("Carl"))).INV. rope WITH splice AND loop	(US-PGPUB; USPAT)	OR	ON	ON	2025/04/30 03:14 PM
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PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

Doc code: IDS

PTO/SB/08a (03-15)

Doc description: Information Disclosure Statement (IDS) Filed

Approved for use through 07/31/2016. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number

Filing Date

First Named Inventor

Walter Ernest Power II

Art Unit

Examiner Name

Attorney Docket Number

TETH143.02

U.S. PATENTS

Remove

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	8061479		2011-11-22	Harris Jr.	
	2	8292028		2012-10-23	Wise	
	3	8356691		2013-01-22	Griffith	
	4	8584799		2013-11-19	Dennington	
	5	9320925		2016-04-26	Wise	
	6	9808659		2017-11-07	Chevalier	
	7	10258814		2019-04-16	Casebolt	
	8	11504556		2022-11-22	Power II	

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	
Filing Date	
First Named Inventor	Walter Ernest Power II
Art Unit	
Examiner Name	
Attorney Docket Number	TETH143.02

U.S.PATENT APPLICATION PUBLICATIONS[Remove](#)

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20080179136		2008-07-31	Griffith	
	2	20090255756		2009-10-15	Green	

If you wish to add additional U.S. Published Application citation information please click the Add button. [Add](#)**FOREIGN PATENT DOCUMENTS**[Remove](#)

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	WO2018111624	WO		2018-06-21	Jacob		☐

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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1		☐

If you wish to add additional non-patent literature document citation information please click the Add button. [Add](#)**EXAMINER SIGNATURE**

Examiner Signature	/AMY J. STERLING/	Date Considered	04/30/2025
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		
First Named Inventor	Walter Ernest Power II	
Art Unit		
Examiner Name		
Attorney Docket Number	TETH143.02	

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	
Filing Date	
First Named Inventor	Walter Ernest Power II
Art Unit	
Examiner Name	
Attorney Docket Number	TETH143.02

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/brendandix/	Date (YYYY-MM-DD)	2024-03-08
Name/Print	Brendan B. Dix	Registration Number	37,313

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

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

Bibliographic Data

Application No: 18/602,822

Foreign Priority claimed: ☐ Yes ☒ No

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

Verified and Acknowledged: /AMY J. STERLING/

Examiner's Signature

Initials

Title: Bridge Rope Assembly

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
03/12/2024	248	3631	TETH143.02
RULE			

APPLICANTS

Tethrd LLC, Columbia, TN, UNITED STATES

INVENTORS

Walter Ernest Power II, Columbia, TN, UNITED STATES

Gregory Alan Godfrey, Richmond Hill, GA, UNITED STATES

Carl Eugene Kossuth III, Rolla, MO, UNITED STATES

CONTINUING DATA

This application is a CIP of 17867553 07/18/2022 PAT 11964175

This application is a CON of 17231717 04/15/2021 PAT 11504556

17231717 is a CON of 16736345 01/07/2020ABN

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

03/22/2024

**** SMALL ENTITY ****

STATE OR COUNTRY

UNITED STATES

ADDRESS

KAUFHOLD DIX PATENT LAW

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SIOUX FALLS, SD 57109

UNITED STATES

FILING FEE RECEIVED

\$664



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PATENT AND TRADEMARK OFFICE

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/602,822

RECEIPT DATE / TIME
06/09/2025 02:50:26 PM Z ET

ATTORNEY DOCKET #
TETH143.02

Title of Invention

Bridge Rope Assembly

Application Information

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

PATENT # -

CONFIRMATION # 4963

FILED BY Brendan Dix

PATENT CENTER # 70798040

FILING DATE 03/12/2024

CUSTOMER # 44088

FIRST NAMED INVENTOR Walter Ernest Power II

CORRESPONDENCE ADDRESS -

AUTHORIZED BY -

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
TETH143.02FirstOA.pdf	5	Applicant Arguments/Remarks Made in an Amendment	28 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
TETH143.02FirstOA.pdf	10A284B2AFD0DDFDC8FC113B7AE77B1D10E6DE97AC3CBB0 085DEB21035FB9B16BCB645CF8D4B2794087E92E66AEDBE2 0FFBDB20AE59CD7CE24AFD7A1520EF7A2

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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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of)
Walter Ernest Power II)
Serial No.: 18/602,822)
Filed: 03/12/2024)
For: Bridge Rope Assembly)
Examiner: Amy Jo Sterling)
Group Art Unit: 3631)
Attorney: Brendan B. Dix)

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

I CERTIFY THAT THIS PAPER (ALONG WITH ANY REFERENCED TO AS BEING ATTACHED OF ENCLOSED) IS BEING TRANSMITTED TO THE COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 ON June 9, 2025, VIA THE USPTO-EFS-WEB FILING SYSTEM. By: /brendanbdix/

FEE CALCULATION: No Additional Fees Due. Upon entry of the below amendment, the total number of claims will be 20 or less, and the number of independent claims will be 3 or less.

AMENDMENT

Responsive to the Office Action mailed on May 5, 2025.

Table of Contents

Amendments in the Claims: page 2
Amendments in the Specification: none
In the Abstract: none
Remarks: page 4
Conclusion: page 5

Amendments in the Claims: (struck-through parts deleted and underlined parts added)

1. (original) A bridge rope assembly configured to couple together a tree rope to a harness, the bridge rope assembly including:
a main body comprising a rope having a first end and a second end, the main body having a splice therein to form an eye loop in the main body, the main body comprising a first portion including the first end and a second portion including the second end, the first portion extending through the second portion of the main body such that the first end is positioned within the second portion adjacent to the second end; and
the main body being attached to the tree rope between the eye loop and the second end.
2. (original) The bridge rope assembly according to claim 1, further including a friction hitch being positioned on the main body between the second end and the eye loop, the friction hitch comprising a closed loop.
3. (original) The bridge rope assembly according to claim 1, wherein the rope has a length from the first end to the second end between 72.0 inches and 126.0 inches.
4. (original) The bridge rope assembly according to claim 1, wherein a distance of the eye loop to the second end is between 24.0 inches and 40.0 inches.
5. (original) The bridge rope assembly according to claim 4, wherein the main body includes a stop knot in the second portion adjacent to the second end.
6. (original) The bridge rope assembly according to claim 5, further including a securing member being positioned on the main body at a juncture of the first and second ends to retain the first and second ends at a static position relative to each other.

7. (original) The bridge rope assembly according to claim 6, wherein the closed loop comprises a single rope being formed into the closed loop

8. (original) The bridge rope assembly according to claim 7, wherein the single rope of the closed loop has a length between 40.0 inches and 60.0 inches.

9. (original) The bridge rope assembly according to claim 8, wherein the closed loop has a total circumference of between 20.0 inches and 30.0 inches.

10. (original) The bridge rope assembly according to claim 1, wherein the closed loop has a total circumference of between 20.0 inches and 30.0 inches.

11. (original) The bridge rope assembly according to claim 10, wherein the main body and the friction hitch each are comprised of UHMWPE.

12. (original) The bridge rope assembly according to claim 1, wherein the main body is comprised of UHMWPE.

13. (original) The bridge rope assembly according to claim 12, wherein a distance of the eye loop to the second end is between 24.0 inches and 40.0 inches.

14. (original) The bridge rope assembly according to claim 13, wherein the closed loop has a total circumference of between 20.0 inches and 30.0 inches.

15. (original) The bridge rope assembly according to claim 13, wherein a distance between the first and second ends is less than 2.0 inches.

REMARKS

Section 1 of the Office Action

Claims 1 through 15 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1 through 14 of U.S. Patent 11964175.

A terminal disclaimer is filed rendering the double patenting issue moot.

Withdrawal of the rejection is respectfully requested by the applicant.

Section 2 of the Office Action

Claims 1 through 15 are allowed.

CONCLUSION

In light of the foregoing amendments and remarks, early consideration and allowance of this application are most courteously solicited.

Respectfully submitted,

/brendanbdix/

Date: 06/09/25

Brendan B. Dix (Reg. No. 37,313)

P.O. Box 89626

Sioux Falls, SD 57109

(605) 334-1571 FAX (605) 334-1574



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

APPLICATION #
18602822

FILING DATE
03/12/2024

FIRST NAMED INVENTOR
Walter Power

ATTORNEY DOCKET #
TETH143.02

Title of Invention

Bridge Rope Assembly



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
Walter Ernest Power II	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
---------------	-------------

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 #
11964175

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:

Small

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 #
/brendanbdix/	Brendan Dix	37313

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



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ELECTRONIC PAYMENT RECEIPT

APPLICATION #
18/602,822

RECEIPT DATE / TIME
06/09/2025 02:45:04 PM Z ET

ATTORNEY DOCKET #
TETH143.02

Title of Invention

Bridge Rope Assembly

Application Information

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

PATENT # -

CONFIRMATION # 4963

FILED BY Brendan Dix

PATENT CENTER # 70797799

AUTHORIZED BY -

CUSTOMER # 44088

FILING DATE 03/12/2024

CORRESPONDENCE ADDRESS -

FIRST NAMED INVENTOR Walter Ernest Power II

Payment Information

PAYMENT METHOD
CARD / 2039

PAYMENT TRANSACTION ID
E202569E45547137

PAYMENT AUTHORIZED BY
Brendan Dix

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
2814	STATUTORY DISCLAIMER, INCLUDING TERMINAL DISCLAIMER	183.00	1	183.00
TOTAL AMOUNT:				\$183.00

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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. Ex. 1006-1
IPR2025-01407, Crüzr v. Tethrd

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

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/602,822

RECEIPT DATE / TIME
06/09/2025 02:45:04 PM Z ET

ATTORNEY DOCKET #
TETH143.02

Title of Invention

Bridge Rope Assembly

Application Information

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

PATENT # -

CONFIRMATION # 4963

FILED BY Brendan Dix

PATENT CENTER # 70797799

FILING DATE 03/12/2024

CUSTOMER # 44088

FIRST NAMED INVENTOR Walter Ernest Power II

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	94AFD138518F9FB2190A3EEEB6C34489310D9BDB0BD69144 D6222A778522686432CCAC97DF56DA6F209B0FDD0782F42C2 5ADB546DF33050F1F88C324470FB6E7
grantLetter.pdf	89083D4227D2F58E5FA8D4F8DA99008E5EACCDF99B230D7D

6D33C7FF465A525FF7DE8F4FADE8B3F8982FABFB444B3AA4
4D0CA0BD22EA1551AE08EA5C1E8B62E9

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New Applications Under 35 U.S.C. 111

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New International Application Filed with the USPTO as a Receiving Office

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



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APPROVAL LETTER

APPLICATION #
18/602,822

FILING DATE
03/12/2024

APPLICANT/PATENT UNDER REEXAMINATION
Walter Power

Title of Invention

Bridge Rope Assembly

Electronic terminal disclaimer filed on 06/09/2025



Approved

This patent is subject to a Terminal Disclaimer

Approved / Disapproved by: Electronic Terminal Disclaimer automatically approved

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

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 18/602,822	Filing Date 03/12/2024	☐ To be Mailed
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ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE (\$)	FEE (\$)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 = *		x \$40 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 = *		x \$ 192 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED - PART II

	(Column 1)		(Column 2)	(Column 3)	RATE (\$)	ADDITIONAL FEE (\$)
AMENDMENT	06/09/2025		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	
	Total (37 CFR 1.16(i))	* 15	Minus	** 20	= 0	x \$ 80 = 0
	Independent (37 CFR 1.16(h))	* 1	Minus	*** 3	= 0	x \$ 240 = 0
	☐ Application Size Fee (37 CFR 1.16(s))					
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					
TOTAL ADD'L FEE						0
AMENDMENT			CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	
	Total (37 CFR 1.16(i))	*	Minus	**	=	x \$ 0 =
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x \$ 0 =
	☐ Application Size Fee (37 CFR 1.16(s))					
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					
TOTAL ADD'L FEE						
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.						ADMIN
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".						/ERNEST D DAVIS/
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".						
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.						

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

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



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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18/602,822

03/12/2024

Walter Ernest Power II

TETH143.02

4963

44088 7590 05/05/2025
KAUFHOLD DIX PATENT LAW
P. O. BOX 89626
SIOUX FALLS, SD 57109

EXAMINER

STERLING, AMY JO

ART UNIT	PAPER NUMBER
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3631

NOTIFICATION DATE	DELIVERY MODE
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05/05/2025

ELECTRONIC

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

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

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

jason@kaufholdlaw.com

Notice of Pre-AIA or AIA Status

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

DETAILED ACTION

This is a Non-final Office Action for application number 18/602,822 BRIDGE ROPE ASSEMBLY filed on 3/12/2024. Claims 1-15 are pending.

Information Disclosure Statement

The information disclosure statement submitted on 3/12/2024 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement has been considered by the examiner.

Double Patenting

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

686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

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

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

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

Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets all requirements is auto-processed and approved immediately upon submission. For more information about eTerminal Disclaimers, refer to www.uspto.gov/patents/apply/applying-online/eterminal-disclaimer.

Claims 1-15 rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-14 of U.S. Patent No. 11/964,175. Although the claims at issue are not identical, they are not patentably distinct from each other because they are both drawn to a bridge rope assembly configured to couple together a tree rope to a harness, the bridge rope assembly including a main body comprising a rope having a first end and a second end, the main body having a splice therein to form an eye loop in the main body, the main body comprising a first portion including the first end and a second portion including the second end, the first portion extending through the second portion of the main body such that the first end is positioned within the second portion adjacent to the second end; and the main body being attached to the tree rope between the eye loop and the second end.

Allowable Subject Matter

Claims 1-15 are allowed.

Cited References

PN 2024/0352671 to Heins et al. shows a rope with a splice
PN 2023/0094095 to Armstrong shows a rope device

Conclusion

Any inquiry concerning this communication should be directed to Amy J. Sterling at telephone number 571-272-6823 or to Supervisor Jonathan Liu at 571-272-8227 if the examiner cannot be reached. The examiner can normally be reached (Mon-Fri 8am-5:00pm). The fax machine number for the Technology center is 571-273-8300 (formal amendments), informal amendments or communications 571-273-6823. Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist at 571-272-3600.

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/AMY J. STERLING/
Primary Examiner, Art Unit 3631
4/30/25

Notice of References Cited	Application/Control No. 18/602,822		Applicant(s)/Patent Under Reexamination Power et al.	
	Examiner AMY J STERLING		Art Unit 3631	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-20230094095-A1	2023-03-30	Armstrong; Boris	B63B34/67	114/253
*	B	US-20240352671-A1	2024-10-24	HEINS; Dustin	B63B21/20	1/1
	C					
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FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date YYYY-MM-DD	Country	Name	CPC Classification
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Dates in YYYY-MM-DD format are publication dates. Classifications may be US or foreign.

<i>Search Notes</i> 	Application/Control No. 18/602,822	Applicant(s)/Patent Under Reexamination Power et al.
	Examiner AMY J STERLING	Art Unit 3631

CPC - Searched*		
Symbol	Date	Examiner
A62B35/0075 A62B35/0012 A62B35/0037 A01M31/02	04/30/2025	AJS

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* 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
See attached; inventor search	04/30/2025	AJS

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

/AMY J. STERLING/ Primary Examiner, Art Unit 3631	4/30/2025
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Doc code: IDS

PTO/SB/08a (03-15)

Doc description: Information Disclosure Statement (IDS) Filed

Approved for use through 07/31/2016. OMB 0651-0031

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Application Number

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First Named Inventor

Walter Ernest Power II

Art Unit

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Attorney Docket Number

TETH143.02

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
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	4	8584799		2013-11-19	Dennington	
	5	9320925		2016-04-26	Wise	
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Art Unit		
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Attorney Docket Number	TETH143.02	

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Application Number	
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First Named Inventor	Walter Ernest Power II
Art Unit	
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Attorney Docket Number	TETH143.02

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Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

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A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/brendandix/	Date (YYYY-MM-DD)	2024-03-08
Name/Print	Brendan B. Dix	Registration Number	37,313

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PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	13	"11964175"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, CA, CH, CN, DD, DE, EA, EP, ES, FR, GB, JP, KR, OA, RU, SU, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/04/30 03:02 PM
L2	2	("11964175").pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, CA, CH, CN, DD, DE, EA, EP, ES, FR, GB, JP, KR, OA, RU, SU, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/04/30 03:03 PM
L3	23	("8061479" "8292028" "8356691" "8584799" "9003579" "9320925" "9808659" "10258814" "10918194" "11511141" "11597476" "20060207828" "20080000719" "20080179136" "20090255756" "20100162882" "20190134438" "20190210696" "20210076666" "20220241624" "20220249886" "20230054395" "20230173312").pn. OR ("11964175").urpn. AND (PGPB USPT USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2025/04/30 03:05 PM
L4	9309	(A62B35/0075 or A62B35/0012 or A62B35/0037 or A01M31/02).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, CA, CH, CN, DD, DE, EA, EP, ES, FR, GB, JP, KR, OA, RU, SU, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2025/04/30 03:06 PM
L5	98	((("POWER") near3 ("Walter"))) OR ((("GODFREY") near3 ("Gregory"))) OR	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2025/04/30 03:13 PM

L6	344	((("KOSSUTH") near3 ("Carl"))).INV. rope WITH splice AND loop	(US-PGPUB; USPAT)	OR	ON	ON	2025/04/30 03:14 PM
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PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
18/602,822	03/12/2024	Walter Ernest Power, II	TETH143.02

CONFIRMATION NO. 4963

44088
KAUFHOLD DIX PATENT LAW
P. O. BOX 89626
SIOUX FALLS, SD 57109

PUBLICATION NOTICE



OC000000075164397

Date Mailed: 07/15/2024

Title:Bridge Rope Assembly

Publication No.US-2024-0216723-A1

Publication Date:07/04/2024

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.

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
18/602,822	03/12/2024		664	TETH143.02	15	1

CONFIRMATION NO. 4963

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SIOUX FALLS, SD 57109

FILING RECEIPT



0000000070118066

Date Mailed: 03/26/2024

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Inventor(s)

Walter Ernest Power, II, Columbia, TN;
Gregory Alan Godfrey, Richmond Hill, GA;
Carl Eugene Kossuth, III, Rolla, MO;

Applicant(s)

Tethrd LLC, Columbia, TN;

Assignment For Published Patent Application

Tethrd LLC, Columbia, TN

Power of Attorney: The patent practitioners associated with Customer Number 44088

Domestic Priority data as claimed by applicant

This application is a CON of 17/231,717 04/15/2021 PAT 11,504,556
which is a CON of 16/736,345 01/07/2020 ABN
This application is a CIP of 17/867,553 07/18/2022

Foreign Applications for which priority is claimed (You may be eligible to benefit from the Patent Prosecution Highway program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

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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 18/602,822**

Projected Publication Date: 07/04/2024

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

Bridge Rope Assembly

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
18/602,822

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	64		N/A	
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	280		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	320		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	15 minus 20 =	*	x	= 0	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1 minus 3 =	*	x	= 0			
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0			
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	664		TOTAL	

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	=	OR	x	=
Independent (37 CFR 1.16(h))	*	Minus ***	=	x	=	OR	x	=
Application Size Fee (37 CFR 1.16(s))						OR		
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR		
				TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
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	=	OR	x	=
Independent (37 CFR 1.16(h))	*	Minus ***	=	x	=	OR	x	=
Application Size Fee (37 CFR 1.16(s))						OR		
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR		
				TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.



United States Patent and Trademark Office

Under Secretary of Commerce for Intellectual Property and
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Kathi Vidal

Under Secretary of Commerce for Intellectual Property and
Director of the United States Patent and Trademark Office

Derrick Brent

Deputy Under Secretary of Commerce for Intellectual Property and
Deputy Director of the United States Patent and Trademark Office

Ex. 1006-1

POWER OF ATTORNEY BY APPLICANT

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

Application Number	Filing Date

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

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

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

- ☒ The address associated with the above-mentioned Customer Number
- OR
- ☐ The address associated with Customer Number:
- OR

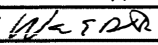
Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

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

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

SIGNATURE of Applicant for Patent

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

Signature		Date (Optional)	
Name	Walter Ernest Power II		
Title	C.O.O. Tethrd, LLC		

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

☐ Total of _____ forms are submitted.

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

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

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	TETH143.02
		Application Number	
Title of Invention	Bridge Rope Assembly		
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.)
--------------------------	---

Inventor Information:

Inventor 1					Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Walter	Ernest	Power	II	
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service					
City	Columbia	State/Province	TN	Country of Residence	US
Mailing Address of Inventor:					
Address 1	2409 Pulaski Hwy				
Address 2					
City	Columbia	State/Province	TN		
Postal Code	38401	Country	US		
Inventor 2					Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Gregory	Alan	Godfrey		
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service					
City	Richmond Hill	State/Province	GA	Country of Residence	US
Mailing Address of Inventor:					
Address 1	50 Sunbury Drive				
Address 2					
City	Richmond Hill	State/Province	GA		
Postal Code	31324	Country	US		
Inventor 3					Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Carl	Eugene	Kossuth	III	
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service					

Ex. 1006-1

Application Data Sheet 37 CFR 1.76		Attorney Docket Number		TETH143.02	
		Application Number			
Title of Invention		Bridge Rope Assembly			
City	Rolla	State/Province	MO	Country of Residence	US
Mailing Address of Inventor:					
Address 1		10557 CR3600			
Address 2					
City	St. James	State/Province	MO		
Postal Code	65559	Country	US		
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.					Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).			
☐ An Address is being provided for the correspondence information of this application.			
Customer Number	44088		
Email Address		Add Email	Remove Email

Application Information:

Title of the Invention	Bridge Rope Assembly		
Attorney Docket Number	TETH143.02	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)		Suggested Figure for Publication (if any)	

Filing By Reference:

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

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

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

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)
☐ Request Not to Publish. I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Ex. 1006-1

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	TETH143.02
		Application Number	
Title of Invention	Bridge Rope Assembly		

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			

Domestic Benefit/National Stage Information:

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

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

Prior Application Status	Pending	Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Continuation of	17231717	2021-04-15
Prior Application Status	Abandoned	Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
17231717	Continuation of	16736345	2020-01-07
Prior Application Status	Pending	Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Continuation in part of	17867553	2022-07-18
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.			Add

Foreign Priority Information:

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	TETH143.02
		Application Number	
Title of Invention	Bridge Rope Assembly		

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

Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

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.
--

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	TETH143.02
		Application Number	
Title of Invention	Bridge Rope Assembly		

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	TETH143.02
		Application Number	
Title of Invention	Bridge Rope Assembly		

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		Tethrd LLC			
Mailing Address Information For Applicant:					
Address 1		2409 Pulaski Hwy			
Address 2					
City		Columbia	State/Province		TN
Country	US	Postal Code		38401	
Phone Number		Fax Number			
Email Address					
Additional Applicant Data may be generated within this form by selecting the Add button. 					

Assignee Information including Non-Applicant Assignee Information:

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

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	TETH143.02
		Application Number	
Title of Invention	Bridge Rope Assembly		

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.

[Remove](#)

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



Organization Name

Tethrd LLC

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1		2409 Pulaski Hwy	
Address 2			
City	Columbia	State/Province	TN
Country ⁱ	US	Postal Code	38401
Phone Number		Fax Number	
Email Address			

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

[Add](#)**Signature:**[Remove](#)

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	/brendanbdix/		Date (YYYY-MM-DD)	2024-03-12	
First Name	Brendan B.	Last Name	Dix	Registration Number	37313

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

[Add](#)

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	TETH143.02
		Application Number	
Title of Invention	Bridge Rope Assembly		

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number

Filing Date

First Named Inventor

Walter Ernest Power II

Art Unit

Examiner Name

Attorney Docket Number

TETH143.02

U.S.PATENTS

Remove

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	8061479		2011-11-22	Harris Jr.	
	2	8292028		2012-10-23	Wise	
	3	8356691		2013-01-22	Griffith	
	4	8584799		2013-11-19	Dennington	
	5	9320925		2016-04-26	Wise	
	6	9808659		2017-11-07	Chevalier	
	7	10258814		2019-04-16	Casebolt	
	8	11504556		2022-11-22	Power II	

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		
First Named Inventor	Walter Ernest Power II	
Art Unit		
Examiner Name		
Attorney Docket Number	TETH143.02	

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	
Filing Date	
First Named Inventor	Walter Ernest Power II
Art Unit	
Examiner Name	
Attorney Docket Number	TETH143.02

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	
Filing Date	
First Named Inventor	Walter Ernest Power II
Art Unit	
Examiner Name	
Attorney Docket Number	TETH143.02

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/brendandix/	Date (YYYY-MM-DD)	2024-03-08
Name/Print	Brendan B. Dix	Registration Number	37,313

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APPLICATION #
18/602,822

RECEIPT DATE / TIME
03/12/2024 05:06:05 PM Z ET

ATTORNEY DOCKET #
TETH143.02

Title of Invention

Bridge Rope Assembly

Application Information

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

PATENT # -

CONFIRMATION # 4963

FILED BY Jason Wormstadt

PATENT CENTER # 64655372

FILING DATE -

CUSTOMER # 44088

FIRST NAMED
INVENTOR Walter Ernest Power II

CORRESPONDENCE
ADDRESS -

AUTHORIZED BY Brendan Dix

Documents

TOTAL DOCUMENTS: 6

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
TETH14302ADS.pdf	9	Application Data Sheet	1226 KB
TETH14302oath.pdf	5	-	1192 KB
TETH14302oath-OATH.pdf (1-4)	4	Oath or Declaration filed	917 KB
TETH14302oath-PA...pdf (5-5)	1	Power of Attorney	272 KB
TETH14302IDS.pdf	5	Information Disclosure Statement (IDS) Form (SB08)	1011 KB
TETH14302EFS- APP.TEXT.docx	13	Application body structured text document	38 KB

Warning: At least one claim appears to not end with a period. Please review and revise if necessary. At least one claim appears to contain more than one sentence. Please review and revise if necessary.

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9

Drawings-only black and white
line drawings

146 KB

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(a) TITLE OF THE INVENTION

BRIDGE ROPE ASSEMBLY

(b) CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a continuation and I claim the benefit of U.S. Application No. 16/736,345, now abandoned, filed on January 7th, 2020, U.S. Application No. 17/231,717 filed on April 15th, 2021 issued as U.S. Pat. No. 11,504,556, and pending U.S. Application No. 17/867,553 filed on July 18th, 2022.

(c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT

Not Applicable

(d) THE NAMES OF THE PARTIES TO A JOINT RESEARCH AGREEMENT

Not Applicable

(e) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC OR AS A TEXT FILE VIA THE OFFICE ELECTRONIC FILING SYSTEM.

Not Applicable

(f) STATEMENT REGARDING PRIOR DISCLOSURES BY THE INVENTOR OR JOINT INVENTOR

Not Applicable

(g) BACKGROUND OF THE INVENTION

(1) Field of the Invention.

The disclosure relates to harness rope structures and more particularly pertains to a new harness rope structures for utilizing eye splices having fully buried rope ends which extend completely into their mating counterparts a sufficient distance such that a double layer of rope is created. It has been found that such a construction allows high strength materials that are otherwise susceptible to heat/friction damage, or are of such low friction that they do not typically retain a closed loop formation under stress, to be used safely for harness bridge ropes.

(2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.

The prior art relates to harness ropes which are generally conventional and utilize rope materials that are of inferior strength but which have a higher coefficient of friction and a higher weight to strength ratio.

(h) BRIEF SUMMARY OF THE INVENTION

An embodiment of the disclosure meets the needs presented above by generally comprising a main body including a rope that has a first end and a second end. The rope has a splice therein to form an eye loop in the main body. The eye loop is configured to engage a first bridge loop of a harness. The main body comprises a first portion including the first end and a second portion including the second end. The first portion extends through the second portion of the main body such that the first end is positioned adjacent to the second end. A distance between the first and second ends is less than 2.0 inches.

There has thus been outlined, rather broadly, the more important features of the disclosure in order that the detailed description thereof that follows may be better understood, and in order that the present contribution to the art may be better appreciated. There are additional features of the disclosure that will be described hereinafter and which will form the subject matter of the claims appended hereto.

The objects of the disclosure, along with the various features of novelty which characterize the disclosure, are pointed out with particularity in the claims annexed to and forming a part of this disclosure.

(i) BRIEF DESCRIPTION OF SEVERAL VIEWS OF THE DRAWING(S)

The disclosure will be better understood and objects other than those set forth above will become apparent when consideration is given to the following detailed description thereof. Such description makes reference to the annexed drawings wherein:

Figure 1 is a front view of a main body of a bridge rope assembly according to an embodiment of the disclosure.

Figure 2 is a front view of a closed loop of an embodiment of the disclosure.

Figure 3 is a front in-use view of an embodiment of the disclosure.

Figure 4 is a front in-use view of an embodiment of the disclosure.

Figure 5 is a side in-use view of an embodiment of the disclosure.

Figure 6 is a front view of a rope used in forming a main body of an embodiment of the disclosure.

Figure 7 is a front view of a step in forming the main body of an embodiment of the disclosure.

Figure 8 is a front view of a single rope used in forming a friction hitch of an embodiment of the disclosure

Figure 9 is a front view of a step in forming a continuous loop of an embodiment of the disclosure.

Figure 10 is a front view of the continuous loop of an embodiment of the disclosure

Figure 11 is a cross-sectional view taken along line 11-11 of Figure 10 of an embodiment of the disclosure.

(j) DETAILED DESCRIPTION OF THE INVENTION

With reference now to the drawings, and in particular to Figures 1 through 11 thereof, a new harness rope structure embodying the principles and concepts of an embodiment of the disclosure and generally designated by the reference numeral 10 will be described.

As best illustrated in Figures 1 through 11, the bridge rope assembly 10 generally includes a main body 12, as shown in Figures 1, 4, 6 and 7, comprising a rope 14 that has a first end 16 and a second end 18. The main body 12 has a splice 20 therein to form an eye loop 22 in the main body 12. The splice 20 may be a straight splice or a locked brummel splice. Each is well known in the art of rope manipulation within the harness arts. Generally, a locked brummel splice may be preferred as any buried tags (portions of rope extended within another portion of rope) cannot back themselves out as they are effectively “locked” in place with a knot. A downside of the locked brummel is the knot itself at the splice 20 which creates a bulge in the rope where the knot is formed. Buried tags that are the product of a straight splice are not locked in place and therefore can back themselves out when not under tension. However, a straight splice can be secured in place by stitching the resultant tag(s) in place once the tag is in a buried condition if desired. Generally, as it will be understood below, it is the splice 20 which creates one or two tags which is important.

The eye loop 22 is configured to engage a first bridge loop 24 of a harness 26 utilized to support a person 28 secured to a tree 30. After the formation of the eye loop, the main body 12 comprises a first portion 32 including the first end 16 and a second portion 34 including the second end 18. The first portion 32 is then extended through the second portion 34 of the main body 12 by threading the first end 16 into the second portion 34 adjacent to the eye loop 22. The first end 16 of a conventional buried tag, i.e. first portion 32, is typically retained within the second portion 34 in close proximity to the eye loop 22. However, in the current disclosure, the eye loop 22 is positioned proximate a central area of the rope 14 such that the first end 16 can be extended adjacently to the second end 18, wherein the first 32 and second 34 portions each extend away from the eye loop 22. The first end 16 will typically remain within the second portion 34 and will be located less than 2.0 inches from the second end 18.

The main body 12 includes a stop knot 36 in the second portion 34 adjacent to the second end 18 and therefore the stop knot 36 further includes the first portion 32 adjacent to the first end 16. The stop knot 36 may comprise, for example, a double fisherman's knot.

The juncture of the first 16 and second 18 ends may be covered with a securing member or otherwise bonded together with known methods and/or mechanical structures. These may include mechanical stitching, staples, glue, friction/heat bonding and the like. One type of securing member may comprise a heat shrink wrap sleeve having an interior coated with an adhesive to ensure a strong bond between the sleeve and the main body 12. The sleeve will extend in opposite directions away from a juncture of the first end 16 and the second portion 34 to ensure that the first end 16 does not move relative to the second portion 34 and protects the juncture from damage, such as for example from fraying. After the shrink wrap is heated and adhered to the second portion 34, the extra length of section portion 34 extending beyond the first end 16 may be removed such that the first 16 and second 18 ends are flush with each other.

The rope 14 may have a length from the first end 16 to the second end 18 between 72.0 inches and 126.0 inches. The main body 12 may further comprise a .25 inch braided rope though other rope diameters are contemplated with the width being typically less than 0.50 inches and generally at least 0.1875 inches. The second end 18 extends away from the eye loop 22 between 0.5 inches and 3.0 inches farther away than the first end 16 extends away from the eye loop 22, and more preferably less than 2.0 inches farther away. It should be understood that the first end 16 may extend outwardly of the second portion 34 a short distance and either be trimmed back such that it is flush with or within 1.0 inches of the second end 18 and thereafter secured in place. The burying of the first portion 32 within the second portion 34 may be facilitated with conventional threading/splicing tools 35. Increased friction between the first 32 and second 34 portions due to the increased diameter of the second portion 34 prevents movement of the first 32 and second 34 portions relative to each other to minimize mechanical failure. The increased diameter of the second portion 34 will also result in increased friction between the main body 12 and a friction hitch positioned on the main body 12. This minimizes mechanical failure of the bridge rope assembly 10 during standardized drop testing.

The main body 12 is comprised of a polyethylene, and in particular ultra high molecular weight polyethylene, typically known as UHMWPE. This material characteristically includes extremely long chains of polyethylene having 100,000 to 250,000 monomer units per molecule. Such material is available from numerous suppliers. One such material is sold under the trademark *Amsteel*. *Amsteel* is a trademark of Samson Rope Technologies, Inc. located at 2090 Thorton Street, Ferndale, WA. This material may be blended with other materials; however, the rope may consist solely of UHMWPE. UHMWPE, while extremely strong, has a very low coefficient of friction. Therefore the extension of the first portion 32 through the second portion 34 further resists the movement of the first portion 32 outwardly away from the second portion 34 while increasing a thickness of main body 12 such that it may be gripped easier.

In one embodiment, the main body 12 comprises a rope that is 95.0 inches long and is comprised of 0.25 inch diameter *Amsteel*. A splice 20 is created and a locked brummel used such that a 39.0 inch tag line (first portion 32) is formed which is buried into what will be an approximately 50.0 inch remainder (second portion 34) of the rope 14. The widening of the second portion 34 to accept the first portion 32 causes the second portion 34 to shorten in length which allows the first portion 32 to nearly extend through the second portion 34. Shrink wrap 40 is then applied over the second 34 portion at a juncture of the first end 16 and second portion 34. It is heated to form a bond with the second portion 34 and compresses the first 32 and second 34 portions together. After the shrink wrap is heated and adhered to the second portion 34, the extra length of the second portion 34 extending beyond the first end 16 may be removed such that the first 16 and second 18 ends are flush with each other. The stop knot 36 is formed in the main body 12 adjacent to the shrink wrap 40 by way of a double fisherman's knot. The distance from the stop knot 36 to the eye loop 22 is approximately 31.0 inches.

A friction hitch 42, as shown particularly in Figures 2, 4, and 9-11, is positioned on the main body 12 between the stop knot 36 and the eye loop 22. The friction hitch 42 is formed in a conventional manner and is configured to engage a second bridge loop 44 of the harness 26. The friction hitch 42 comprises a closed loop 46. The closed loop 46 is comprised of a single rope 48 that is formed into a continuous splice using a conventional method except wherein a pair of ends (first end 50 and second end 52) of the single rope 48 are each buried into the closed loop 46 a distance of at least 40% of a total circumference of the closed loop 46, more particularly between 40% and at least 50% of the total circumference, though, for reasons stated below, a distance of less than 50% may be preferred.

Using conventional methods, the closed loop 46 is formed at with a splice 54 drawn together by ends 50 and 52 being drawn through the splice 54. As with the main body 12, the splice 54 may be a locked brummel splice 54 or a straight splice with the

same disadvantages as mentioned above except with two tag lines, as shown in Figure 9, instead of one. The first 50 and second 52 ends are then drawn through, or buried, in the continuous loop 46 with the first end 50 being positioned on one side of the locked splices 54 and the second end 52 being positioned on the other side of the locked splices 54. The first 50 and second 52 ends are thereby extending toward each other within the closed loop 46. However, they will typically remain spaced apart a distance of between 1.0 and 4.0 inches to create a narrow area 56 in the continuous loop 46 having a diameter that is less than a remainder of the continuous loop 46. Thus, the ends 50, 52 are each buried typically at least 40% and less than 50% of the total circumference of the continuous loop leaving the narrow area 56 to include less than 100% and greater than 80% of the total circumference.

The single rope 48 of the closed loop 46 has a length between 40.0 inches and 60.0 inches and the closed loop 46 will typically have a total circumference of between 20.0 inches and 30.0 inches. The single rope 48 may further comprise a 3/16 inch braided rope, though other rope diameters are contemplated with the width being typically less than 0.50 inches and generally at least 0.125 inches. As with the main body 12, the friction hitch 42 is comprised of UHMWPE. By burying the first 50 and second 52 ends of the single rope 48 through a majority of the closed loop 46, the closed loop 46 will resist damage caused by movement of the first 50 and second 52 ends within closed loop 46 while ensuring that the closed loop 46 remains intact.

In one specific example of the friction hitch 42, the single rope 48 is 47.0 inches long and is comprised of a 3/16 inch diameter of *Amsteel* rope, a type of braided rope comprised of UHMWPE. A brummel is formed 13.5" from a center point of the single rope 48 with tag ends of the single rope 48 each being buried to form a resultant closed loop 46 having a circumference from 22" to 24" depending on the stretch of the single rope 46 as it is formed into the closed loop 46. The narrow area 56 has a length being equal to between 3.0 inches and 4.0 inches. The closed loop 46 is formed into the friction hitch using what is commonly referred to as a Prusik knot.

In use, the eye loop 22 of the main body 12 is engaged on the first bridge loop 24 of the harness 26. The friction hitch 42 is formed in a conventional manner on the main body 12 and second bridge loop 44. The friction hitch 42 is positioned between the eye loop 22 and knot 36. The friction hitch 42 is conventional and can be selectively loosened and moved along the main body 12. However, the materials and structure of the main body 12 and friction hitch 42 will prevent failure and allow UHMWPE materials to be used in such a manner that they will pass standardized drop tests. The narrow portion 56 of the closed loop 46 will typically be engaged with the second bridge loop 44 and its narrow diameter will assist in locking it in grooves in the second bridge loop 44 should such be provided.

With respect to the above description then, it is to be realized that the optimum dimensional relationships for the parts of an embodiment enabled by the disclosure, to include variations in size, materials, shape, form, function and manner of operation, assembly and use, are deemed readily apparent and obvious to one skilled in the art, and all equivalent relationships to those illustrated in the drawings and described in the specification are intended to be encompassed by an embodiment of the disclosure.

Therefore, the foregoing is considered as illustrative only of the principles of the disclosure. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the disclosure to the exact construction and operation shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the disclosure. In this patent document, the word “comprising” is used in its non-limiting sense to mean that items following the word are included, but items not specifically mentioned are not excluded. A reference to an element by the indefinite article “a” does not exclude the possibility that more than one of the element is present, unless the context clearly requires that there be only one of the elements.

Docket No. TETH143.02

(k) CLAIM OR CLAIMS

I claim:

1. A bridge rope assembly configured to couple together a tree rope to a
5 harness, the bridge rope assembly including:
a main body comprising a rope having a first end and a second end, the main body
having a splice therein to form an eye loop in the main body, the main
body comprising a first portion including the first end and a second
portion including the second end, the first portion extending through the
10 second portion of the main body such that the first end is positioned within
the second portion adjacent to the second end; and
the main body being attached to the tree rope between the eye loop and the
second end.
- 15 2. The bridge rope assembly according to claim 1, further including a friction
hitch being positioned on the main body between the second end and the eye loop, the
friction hitch comprising a closed loop.
3. The bridge rope assembly according to claim 1, wherein the rope has a
20 length from the first end to the second end between 72.0 inches and 126.0 inches.
4. The bridge rope assembly according to claim 1, wherein a distance of the
eye loop to the second end is between 24.0 inches and 40.0 inches.
- 25 5. The bridge rope assembly according to claim 4, wherein the main body
includes a stop knot in the second portion adjacent to the second end.
6. The bridge rope assembly according to claim 5, further including a
securing member being positioned on the main body at a juncture of the first and second
30 ends to retain the first and second ends at a static position relative to each other.

7. The bridge rope assembly according to claim 6, wherein the closed loop comprises a single rope being formed into the closed loop

5 8. The bridge rope assembly according to claim 7, wherein the single rope of the closed loop has a length between 40.0 inches and 60.0 inches.

9. The bridge rope assembly according to claim 8, wherein the closed loop has a total circumference of between 20.0 inches and 30.0 inches.

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10. The bridge rope assembly according to claim 1, wherein the closed loop has a total circumference of between 20.0 inches and 30.0 inches.

11. The bridge rope assembly according to claim 10, wherein the main body
15 and the friction hitch each are comprised of UHMWPE.

12. The bridge rope assembly according to claim 1, wherein the main body is comprised of UHMWPE.

20 13. The bridge rope assembly according to claim 12, wherein a distance of the eye loop to the second end is between 24.0 inches and 40.0 inches.

14. The bridge rope assembly according to claim 13, wherein the closed loop has a total circumference of between 20.0 inches and 30.0 inches.

25

15. The bridge rope assembly according to claim 13, wherein a distance between the first and second ends is less than 2.0 inches.

Client's Docket No. TETH143.02

(I) ABSTRACT OF THE DISCLOSURE

5 A bridge rope assembly includes a main body comprising a rope that has a first end and a second end. The rope has a splice therein to form an eye loop in the main body. The eye loop is configured to engage a first bridge loop of a harness. The main body comprises a first portion including the first end and a second portion including the second end. The first portion extends through the second portion of the main body such that the first end is positioned adjacent to the second end. A distance between the first and second ends is less than 2.0 inches.



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APPLICATION #
18/602,822

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TETH143.02

Title of Invention

Bridge Rope Assembly

Application Information

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

PATENT # -

CONFIRMATION # 4963

FILED BY Jason Wormstadt

PATENT CENTER # 64655372

AUTHORIZED BY Brendan Dix

CUSTOMER # 44088

FILING DATE -

CORRESPONDENCE ADDRESS -

FIRST NAMED INVENTOR Walter Ernest Power II

Payment Information

PAYMENT METHOD
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Jason Wormstadt

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
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4011	BASIC FILING FEE- UTILITY	64.00	1	64.00
2311	EXAMINATION OF ORIGINAL PATENT APPLICATION	320.00	1	320.00
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Ex. 1006-1

Receipt will establish the filing date of the application

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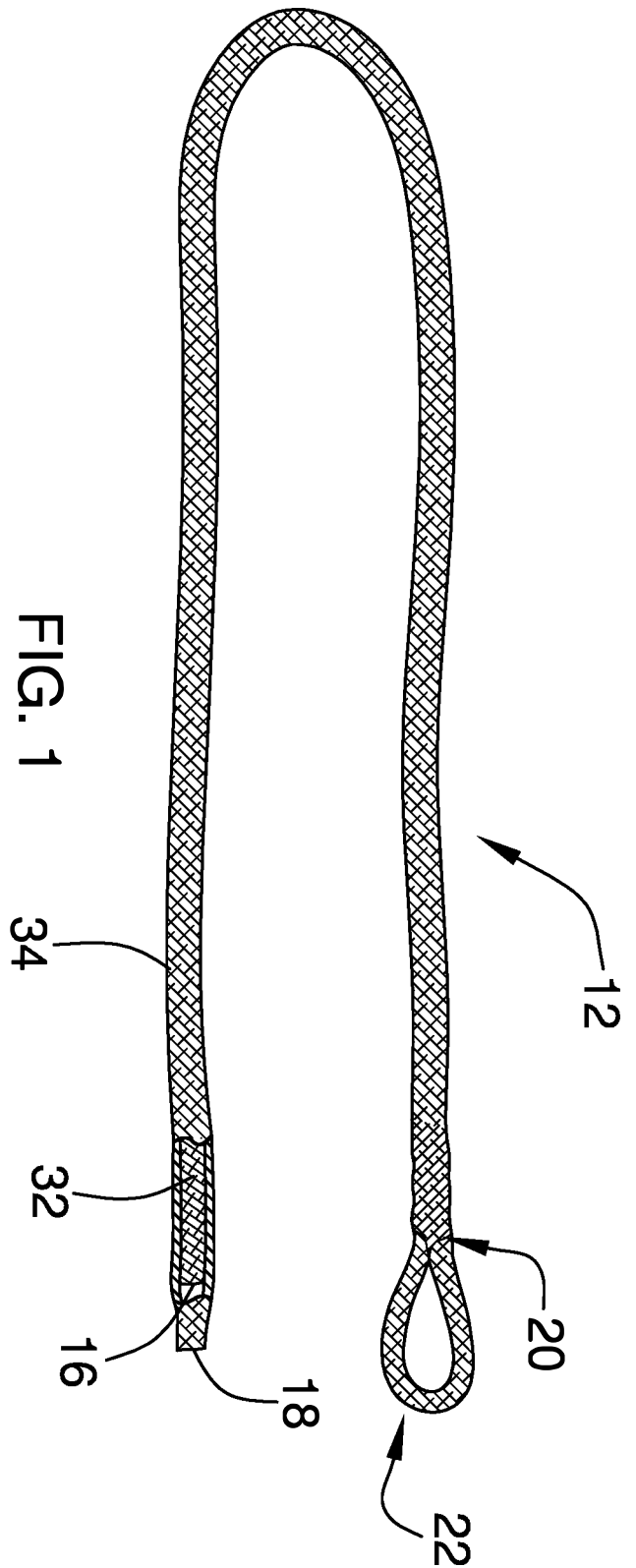


FIG. 1

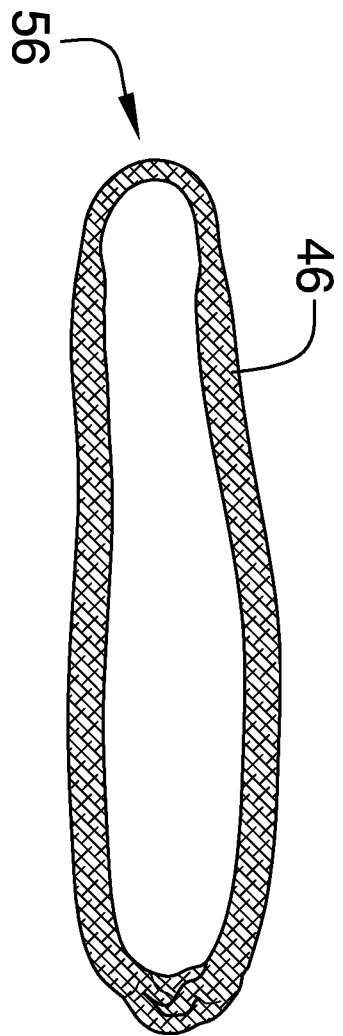


FIG. 2

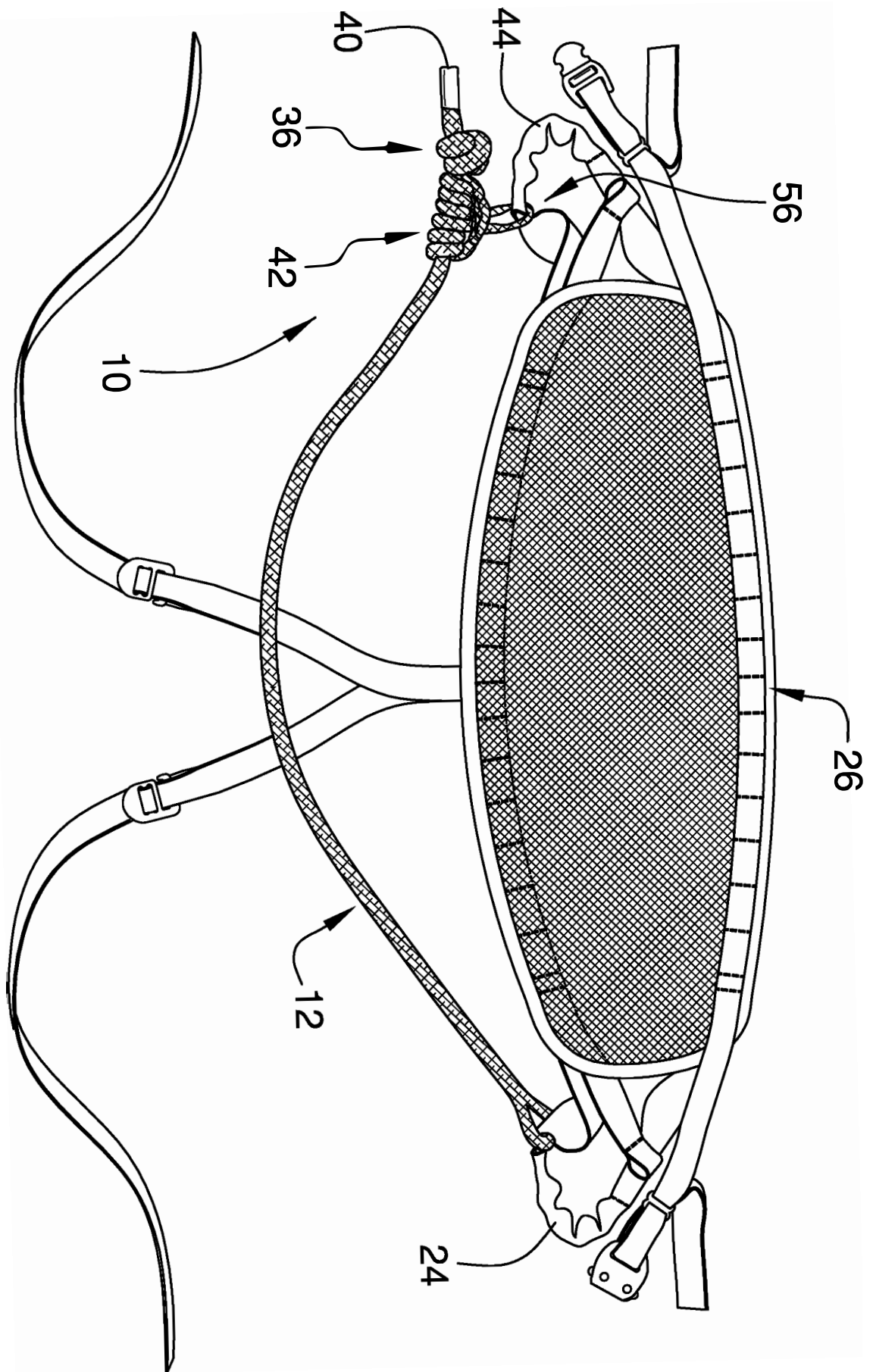
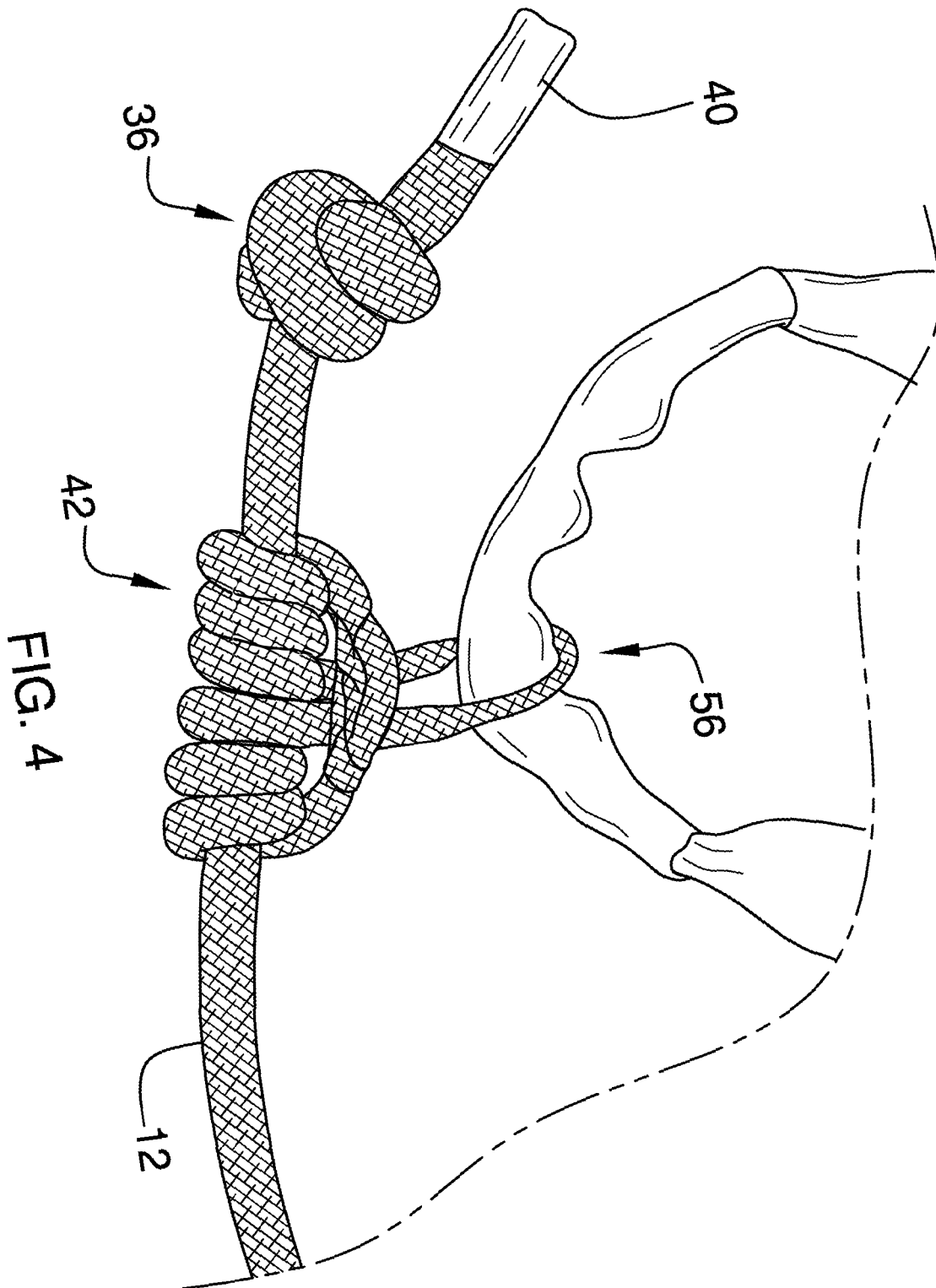


FIG. 3



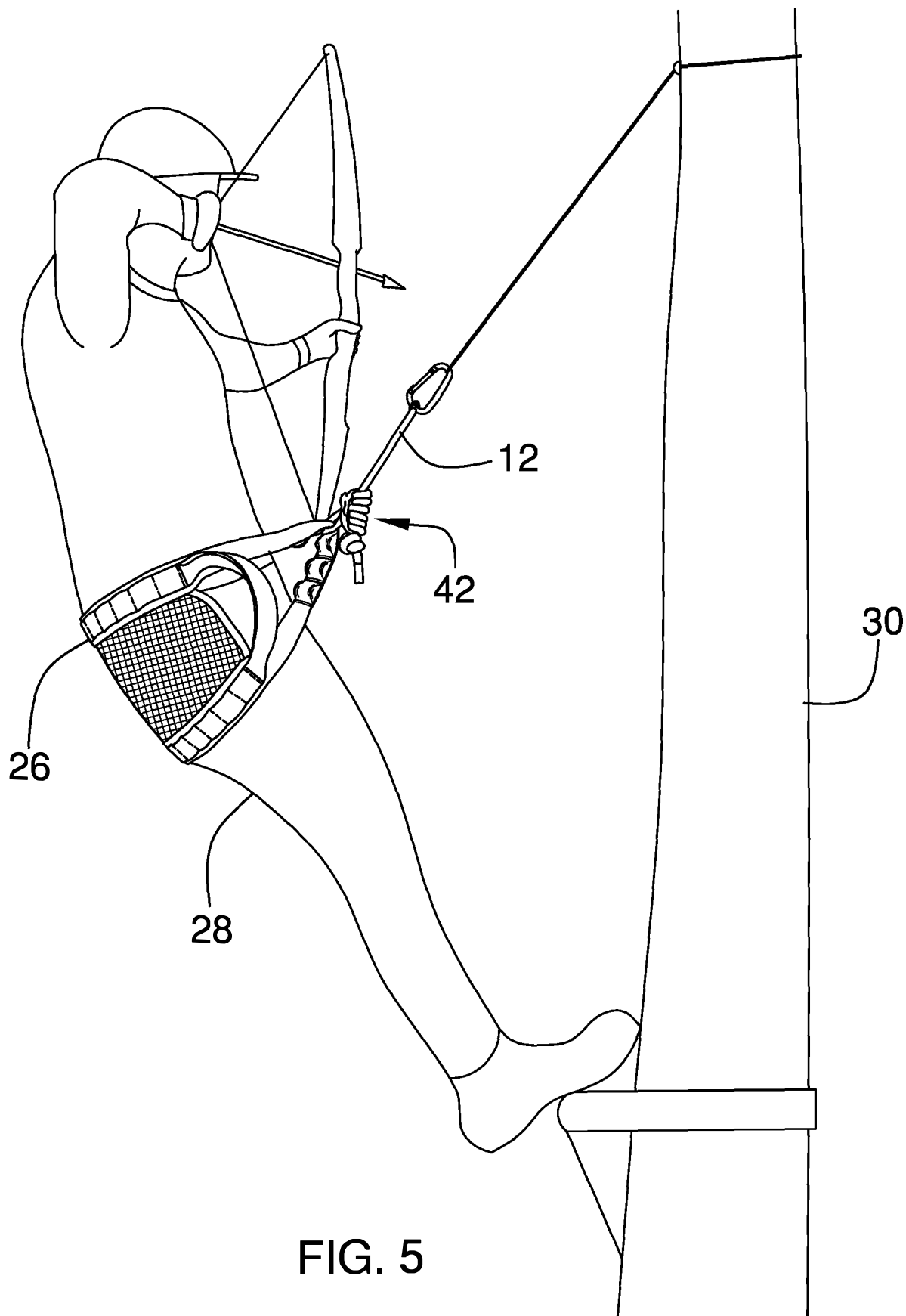


FIG. 5

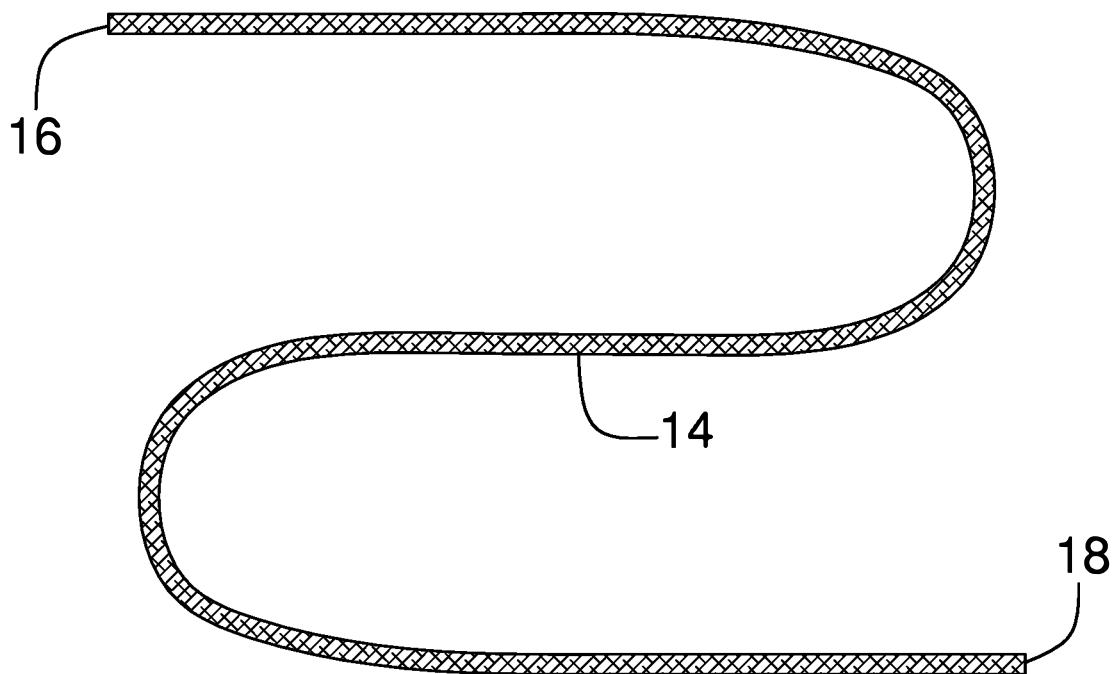


FIG. 6

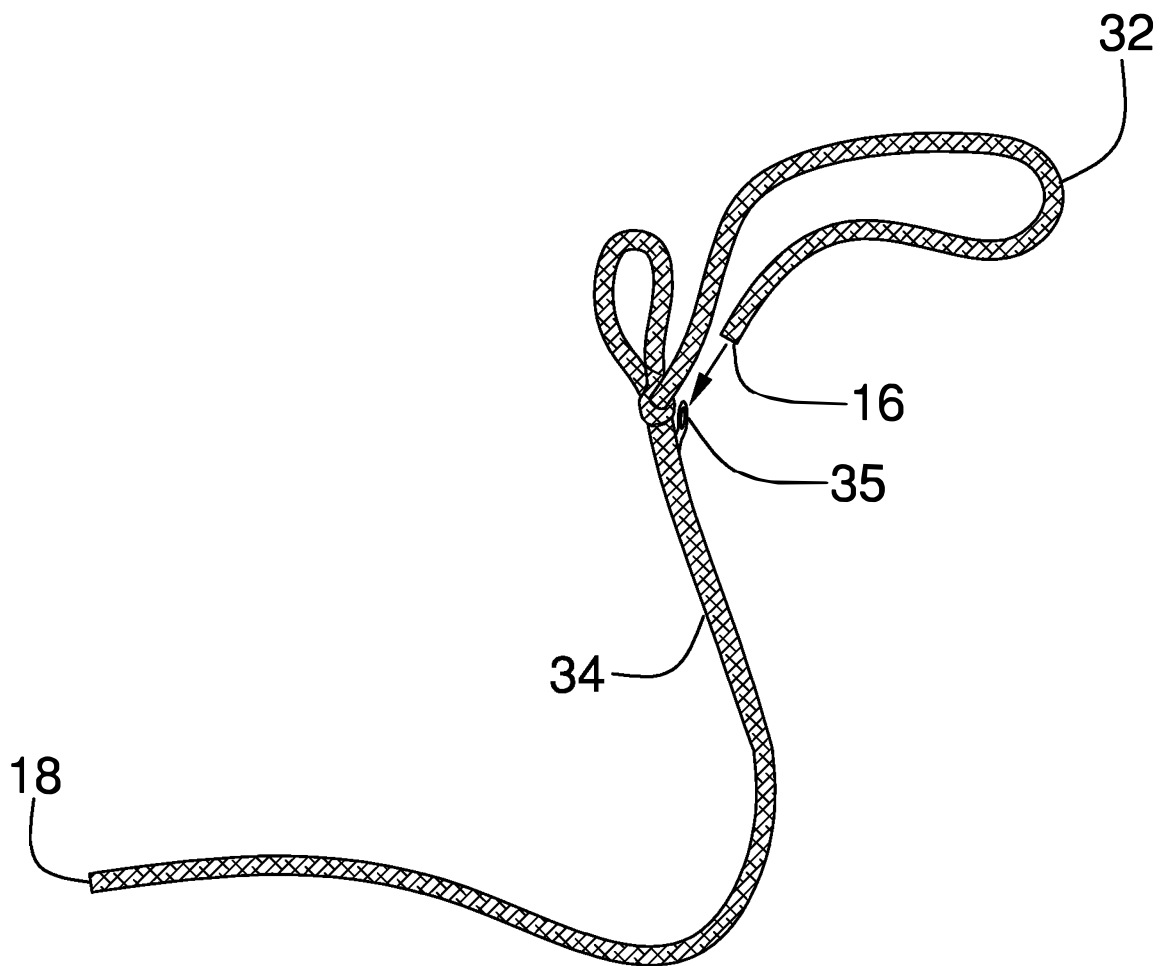


FIG. 7

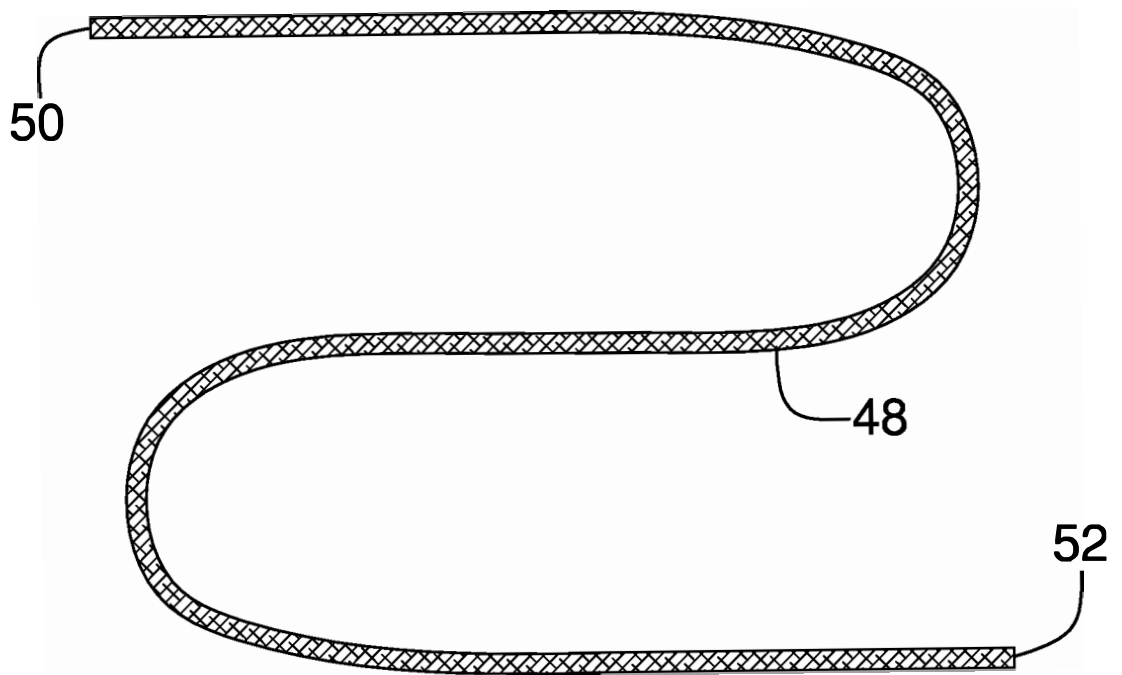


FIG. 8

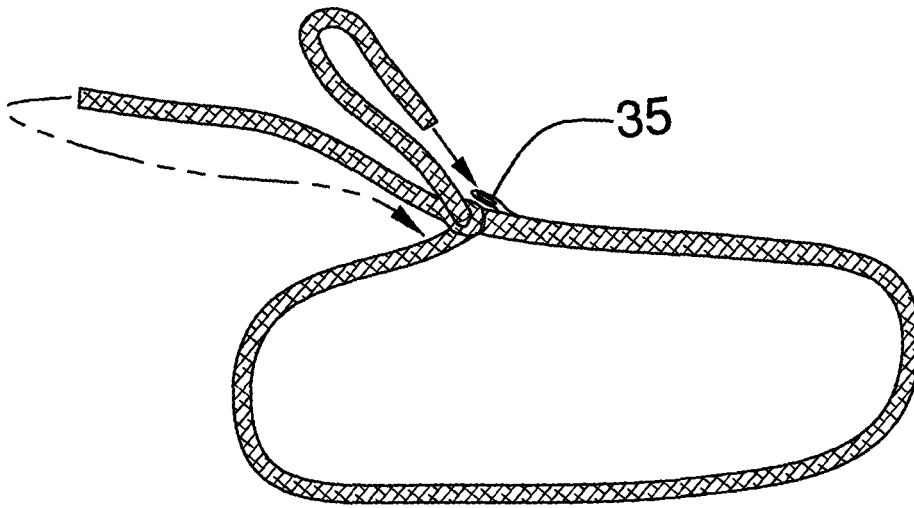


FIG. 9

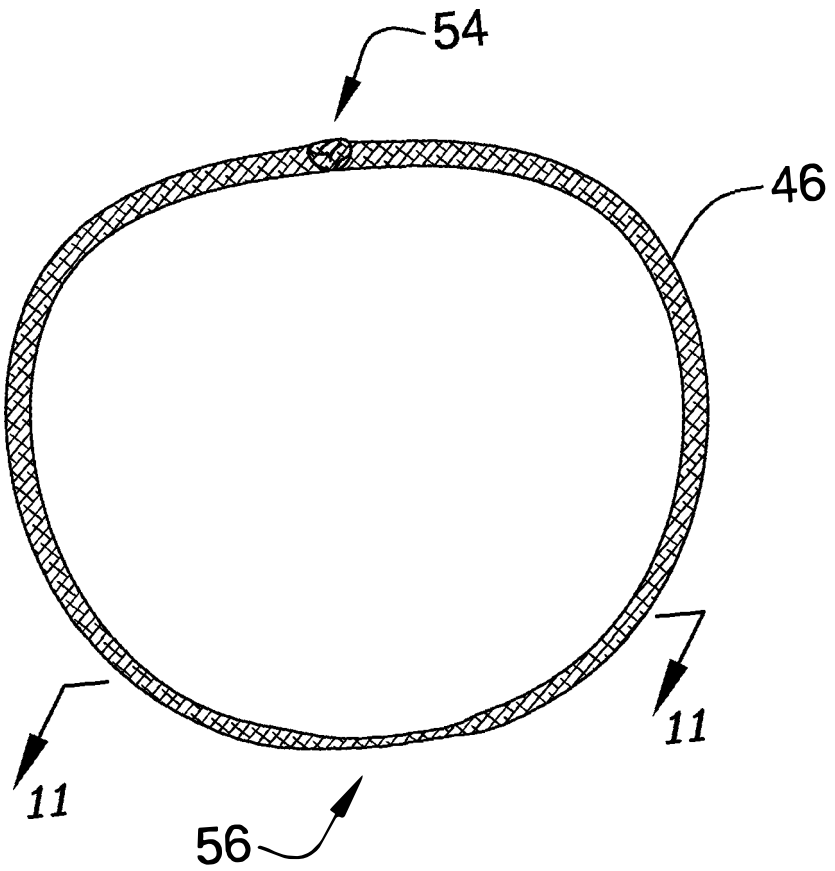
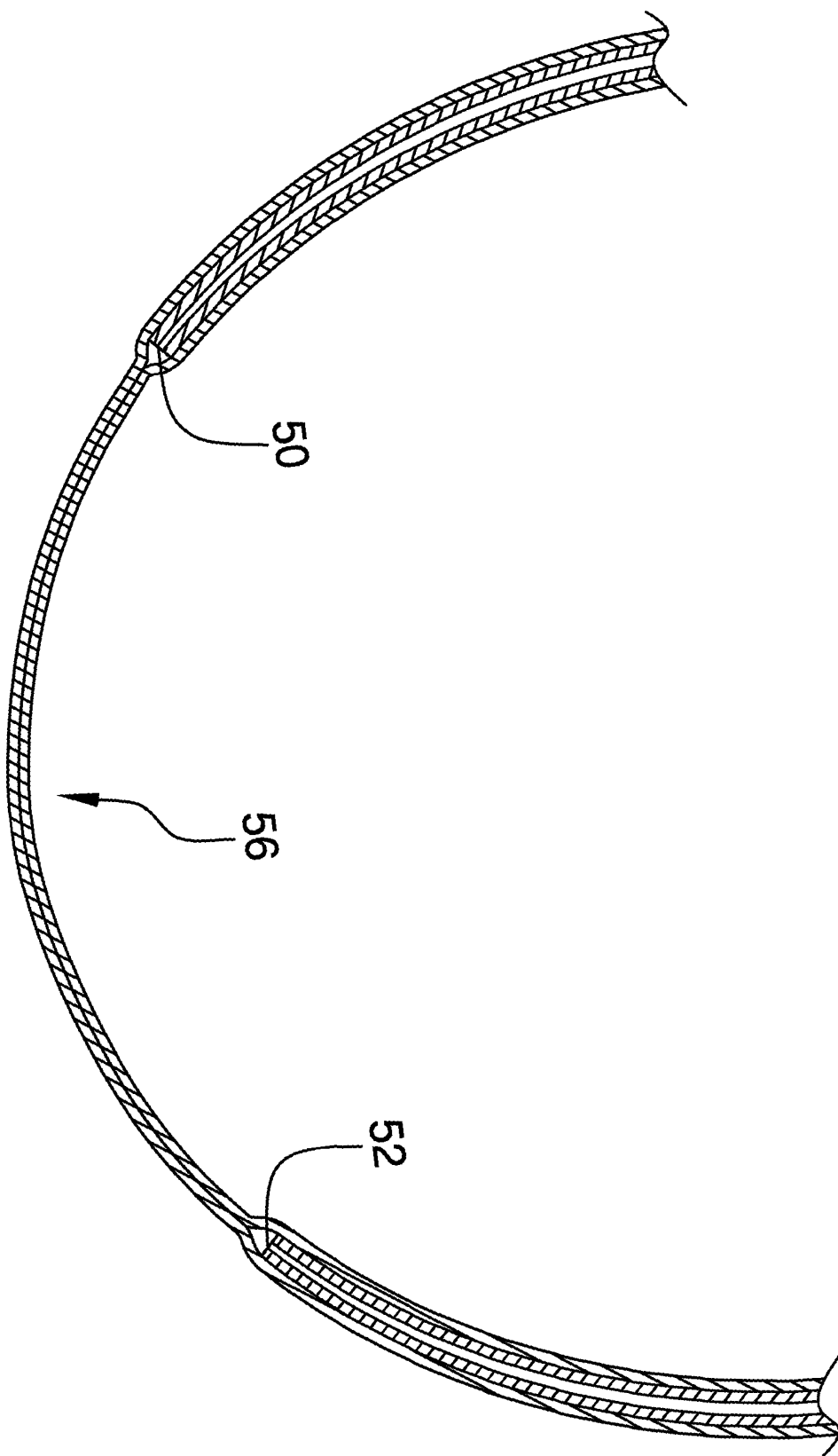


FIG. 10

FIG. 11



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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76)****Title of
Invention**

BRIDGE ROPE ASSEMBLY

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 _____
filed on _____.

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

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

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001
by fine or imprisonment of not more than five (5) years, or both.**WARNING:**

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTORInventor: Walter Ernest Power II

Date (Optional) : _____

Signature: WEP

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	BRIDGE ROPE ASSEMBLY
-------------------------------	-----------------------------

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 _____
 filed on _____.

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

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

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LEGAL NAME OF INVENTOR

Inventor: Carl Eugene Kossuth III Date (Optional) : _____

Signature: Carl E Kossuth III

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

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Title of
Invention

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This declaration
is directed to:

☒

The attached application, or

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United States application or PCT international application number _____

filed on _____.

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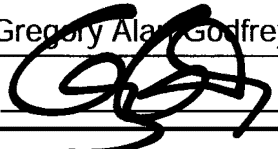
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LEGAL NAME OF INVENTOR

Inventor: Gregory Alan Godfrey Date (Optional) : _____

Signature:  _____

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

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Application Number	
Filing Date	
First Named Inventor	Walter Ernest Power II
Title	BRIDGE ROPE ASSEMBLY
Art Unit	
Examiner Name	
Attorney Docket Number	TETH143.02

SIGNATURE of Applicant or Patent Practitioner

Signature	/seankaufhold/	Date (Optional)	2024-03-08
Name	Sean A. Kaufhold	Registration Number	46.820
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

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

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*Total of _____ forms are submitted.

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