

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Mathew A. McPherson
Application No.:	Not Assigned
Filed:	Not Assigned
For:	Archery Bow Cam
Group Art Unit:	Not Assigned

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

Docket No.: M55.2N-14675-US03

TRANSMITTAL LETTER

1. In regard to the above-identified application, in addition to this 1 page transmittal letter, we are submitting the attached:
9 page Specification; 4 page Claims; 1 page Abstract; 7 Sheets of Drawings; 7 page Application Data Sheet; 2 page Power of Attorney; 3 page Statement Under 37 CFR 3.73(c); 1 page Constructive Petition.
2. With respect to fees, applicant believes the fees required herein, if any, are being paid electronically.
3. **CONDITIONAL PETITION FOR EXTENSION OF TIME**
This conditional petition is being filed along with the papers identified in Item 1 above and provides for the possibility that Applicant has inadvertently overlooked the need for a petition and fee for extension of time or for a petition and fee for any other matter petitionable to the Commissioner as required. If any extension of time for the accompanying response is required or if a petition for any other matter is required, by petitioner, Applicant requests that this be considered a petition therefor.
4. **Notwithstanding paragraph 2 above, if any additional fees associated with this communication are required and have not otherwise been paid, including any fee associated with the Conditional Petition for Extension of Time, or any request in the accompanying papers for action which requires a fee as a petition to the Commissioner, please charge the additional fees to Deposit Account No. 22-0350. Please charge any additional fees associated with this communication to the Deposit Account No. 22-0350.**
5. **Certification:** I hereby certify that this Transmittal Letter and the paper(s) as described herein are being transmitted electronically to the USPTO on March 31, 2014.

Respectfully submitted,

VIDAS, ARRETT & STEINKRAUS

Date: March 31, 2014

By: /Jeremy G Laabs/
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Mathew A. McPherson
Application No.:	14/230659
Filed:	March 31, 2014
For:	Archery Bow Cam
Group Art Unit:	3711

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

Docket No.: M55.2N-14675-US03

TRANSMITTAL LETTER

1. In regard to the above-identified application, in addition to this 1 page transmittal letter, we are submitting the attached:
7 page Amendment; 2 page Terminal Disclaimer; 2 page Power of Attorney; 3 page Statement under 3.73; 1 page Constructive Petition for Extension of Time.
2. With respect to fees, applicant believes the fees required herein, if any, are being paid electronically.
3. **CONDITIONAL PETITION FOR EXTENSION OF TIME**
This conditional petition is being filed along with the papers identified in Item 1 above and provides for the possibility that Applicant has inadvertently overlooked the need for a petition and fee for extension of time or for a petition and fee for any other matter petitionable to the Commissioner as required. If any extension of time for the accompanying response is required or if a petition for any other matter is required, by petitioner, Applicant requests that this be considered a petition therefor.
4. **Notwithstanding paragraph 2 above, if any additional fees associated with this communication are required and have not otherwise been paid, including any fee associated with the Conditional Petition for Extension of Time, or any request in the accompanying papers for action which requires a fee as a petition to the Commissioner, please charge the additional fees to Deposit Account No. 506845.**
5. **Certification:** I hereby certify that this Transmittal Letter and the paper(s) as described herein are being transmitted electronically to the USPTO on November 23, 2015.

Respectfully submitted,

MCP IP, LLC

Date: November 23, 2015

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Mathew A. McPherson
Application No.:	14/230659
Filed:	March 31, 2014
For:	Archery Bow Cam
Group Art Unit:	3711

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

Docket No.: M55.2N-14675-US03

TRANSMITTAL LETTER

1. In regard to the above-identified application, in addition to this **1** page transmittal letter, we are submitting the attached:
6 page Information Disclosure Statement; 1 Non-Patent Literature Document.
2. With respect to fees, applicant believes the fees required herein, if any, are being paid electronically.
3. **CONDITIONAL PETITION FOR EXTENSION OF TIME**
This conditional petition is being filed along with the papers identified in Item 1 above and provides for the possibility that Applicant has inadvertently overlooked the need for a petition and fee for extension of time or for a petition and fee for any other matter petitionable to the Commissioner as required. If any extension of time for the accompanying response is required or if a petition for any other matter is required, by petitioner, Applicant requests that this be considered a petition therefor.
4. **Notwithstanding paragraph 2 above, if any additional fees associated with this communication are required and have not otherwise been paid, including any fee associated with the Conditional Petition for Extension of Time, or any request in the accompanying papers for action which requires a fee as a petition to the Commissioner, please charge the additional fees to Deposit Account No. 22-0350. Please charge any additional fees associated with this communication to the Deposit Account No. 22-0350.**
5. **Certification:** I hereby certify that this Transmittal Letter and the paper(s) as described herein are being transmitted electronically to the USPTO on July 11, 2014.

Respectfully submitted,

VIDAS, ARRETT & STEINKRAUS

Date: July 11, 2014

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Mathew A. McPherson
Application No.:	14/230659
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Group Art Unit:	3711

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Alexandria, VA 22313-1450

Docket No.: M55.2N-14675-US03

TRANSMITTAL LETTER

1. In regard to the above-identified application, in addition to this 1 page transmittal letter, we are submitting the attached:
2 page Inventor Declaration.
2. With respect to fees, applicant believes the fees required herein, if any, are being paid electronically.
3. **CONDITIONAL PETITION FOR EXTENSION OF TIME**
This conditional petition is being filed along with the papers identified in Item 1 above and provides for the possibility that Applicant has inadvertently overlooked the need for a petition and fee for extension of time or for a petition and fee for any other matter petitionable to the Commissioner as required. If any extension of time for the accompanying response is required or if a petition for any other matter is required, by petitioner, Applicant requests that this be considered a petition therefor.
4. **Notwithstanding paragraph 2 above, if any additional fees associated with this communication are required and have not otherwise been paid, including any fee associated with the Conditional Petition for Extension of Time, or any request in the accompanying papers for action which requires a fee as a petition to the Commissioner, please charge the additional fees to Deposit Account No. 22-0350. Please charge any additional fees associated with this communication to the Deposit Account No. 22-0350.**
5. **Certification:** I hereby certify that this Transmittal Letter and the paper(s) as described herein are being transmitted electronically to the USPTO on April 24, 2014.

Respectfully submitted,

VIDAS, ARRETT & STEINKRAUS

Date: April 24, 2014

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Application Number 	Application/Control No. 14/230,659	Applicant(s)/Patent under Reexamination MCPHERSON, MATHEW A.	
Document Code - DISQ		Internal Document – DO NOT MAIL	

TERMINAL DISCLAIMER	☒ APPROVED	☐ DISAPPROVED
Date Filed : 23 November, 2015	This patent is subject to a Terminal Disclaimer	

Approved/Disapproved by:
<u>/DENISE BOYD/</u> Technology Center: <u>ESSCRU</u> Telephone: <u>(571)272-0992</u>

U.S. Patent and Trademark Office

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

Docket Number (Optional)

M55-14675-US03

In re Application of: Mathew A. McPherson

Application No.: 14/230659

Filed: March 31, 2014

For: Archery Bow Cam

The applicant, MCP IP, LLC, owner of 100 percent interest 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** No. 8,683,989 as the term of said **prior patent** is presently shortened by any terminal disclaimer. The applicant 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 applicant 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.

Check either box 1 or 2 below, if appropriate.

1. ☐ The undersigned is the applicant. If the applicant is an assignee, the undersigned is authorized to act on behalf of the assignee.

I hereby acknowledge that any willful false statements made are punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

2. ☒ The undersigned is an attorney or agent of record. Reg. No. 53170

/Jeremy G Laabs/

Signature

November 23, 2015

Date

Jeremy G Laabs

Typed or printed name

Attorney

Title

608-269-2728

Telephone Number

- ☒ Terminal disclaimer fee under 37 CFR 1.20(d) included.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.321. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Privacy Act Statement

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

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

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

Archery Bow Cam

CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a continuation of US Patent Application No.
5 12/895610, filed September 30, 2010, which claims the benefit of US Provisional Patent
Application No. 61/247473, the entire disclosures of which are hereby incorporated
herein by reference.

BACKGROUND OF THE INVENTION

10 This invention relates generally to archery bows and more specifically to
a cam configuration suitable for use in bows, such as a compound bow.

Archery bows are known in the art, and are generally configured for use
by a particular user. Variable aspects of the bow, such as draw weight and draw length,
are set to match the size and strength capabilities and preferences of the user.
15 Adjustability of a bow allows for the bow to change with the user as the user's
capabilities and preferences change over time. Adjustability also allows for a bow to be
reconfigured for a different user.

There remains a need for novel bow and cam designs that provide for
greater adjustability and are suitable for a wider range of potential users than prior art
20 designs. There remains a need for novel bow and cam designs that allow for a greater
range of draw weights and draw lengths to be achieved in a given bow.

All US patents and applications and all other published documents
mentioned anywhere in this application are incorporated herein by reference in their
entirety.

25 Without limiting the scope of the invention a brief summary of some of
the claimed embodiments of the invention is set forth below. Additional details of the
summarized embodiments of the invention and/or additional embodiments of the
invention may be found in the Detailed Description of the Invention below.

A brief abstract of the technical disclosure in the specification is
30 provided as well only for the purposes of complying with 37 C.F.R. 1.72. The abstract
is not intended to be used for interpreting the scope of the claims.

BRIEF SUMMARY OF THE INVENTION

In at least one embodiment, an archery bow comprises a riser, a first limb and a second limb supported by the riser, a first rotatable member supported by the first limb on a first axle and a second rotatable member supported by the second limb on a second axle. The first rotatable member comprises a cam track, a capstan and a terminal. A drawstring extends between the first rotatable member and the second rotatable member. A power cable is attached to said terminal and extends toward the second limb. The power cable comprises an elongate straight portion located near said first rotatable member, a capstan portion in contact with said capstan and a terminal portion in contact with said terminal. In a brace condition, the power cable wraps around the capstan in a first rotational direction as the power cable is traversed from the elongate straight portion to the terminal portion. When the bow is drawn from the brace condition, the first rotatable member rotates in a second rotational direction that is opposite the first rotational direction.

In at least one embodiment, a bow further comprises a second power cable and the second rotatable member comprises a second cam track, a second capstan and a second terminal. The second power cable is attached to the second terminal and extends toward the first limb. The second power cable comprises a second elongate straight portion located near the second rotatable member, a second capstan portion in contact with the second capstan and a second terminal portion in contact with the second terminal. In the brace condition, the second power cable wraps around the second capstan in the second rotational direction as the second power cable is traversed from the second elongate straight portion to the second terminal portion. When the bow is drawn from the brace condition, the second rotatable member rotates in the first rotational direction.

In at least one embodiment, the second rotatable member comprises a mirror image of the first rotatable member.

In some embodiments, in the brace condition, the elongate straight portion of the power cable defines a plane, wherein said first axle and said terminal are located on opposite sides of said plane.

In some embodiments, in the drawn condition, the capstan is located closer to the elongate straight portion than the terminal.

In some embodiments, in the brace condition, the power cable is not oriented in the cam track.

In some embodiments, a distance between the first axle and the terminal is greater than a distance between the first axle and the cam track.

5 In some embodiments, at least a portion of the cam track comprises a module that is attached to said first rotatable member. The module can be rotatable with respect to the first rotatable member and/or can be removable and replaceable with a separate module.

10 In at least one embodiment, an archery bow comprises a riser, a first limb and a second limb supported by the riser, a first rotatable member supported by the first limb on a first axle and a second rotatable member supported by the second limb on a second axle. The first axle and the second axle define an axle plane. The first rotatable member comprises a cam track, a capstan and a terminal. A drawstring extends between the first rotatable member and the second rotatable member. The drawstring leaves the
15 first rotatable member at an exit location. A power cable is attached to the terminal and extends toward the second limb. The power cable comprises a capstan portion in contact with said capstan and a terminal portion in contact with said terminal. In a brace condition, the axle plane divides the first rotatable member to a first part and a second part, wherein the capstan and the terminal are located in the first part and the drawstring
20 exit location is located in the second part. A distance between the terminal and the axle plane is greater than a distance between the capstan and the axle plane.

These and other embodiments which characterize the invention are pointed out with particularity in the claims annexed hereto and forming a part hereof. However, for a better understanding of the invention, its advantages and objectives
25 obtained by its use, reference can be made to the drawings which form a further part hereof and the accompanying descriptive matter, in which there are illustrated and described various embodiments of the invention.

BRIEF DESCRIPTION OF THE DRAWINGS

30 A detailed description of the invention is hereafter described with specific reference being made to the drawings.

Figure 1 shows an embodiment of a cam suitable for use in a bow. The cam is shown in a brace orientation.

Figure 2 shows the cam of Figure 1 in a drawn orientation.

Figure 3 is a combination of Figures 1 and 2, which shows how the cam
5 rotates.

Figure 4 shows another embodiment of a cam in a brace orientation.

Figure 5 shows the cam of Figure 4 in a drawn orientation.

Figure 6 is a combination of Figures 4 and 5, which shows how the cam
rotates.
10 Figure 7 shows an embodiment of a compound archery bow.

DETAILED DESCRIPTION OF THE INVENTION

While this invention may be embodied in many different forms, there are described in detail herein specific embodiments of the invention. This description is an
15 exemplification of the principles of the invention and is not intended to limit the invention to the particular embodiments illustrated.

For the purposes of this disclosure, like reference numerals in the figures shall refer to like features unless otherwise indicated.

Figure 7 shows an embodiment of a compound archery bow 50.
20 Compound bows are generally known, for example as described in US 2010/0089375, the entire content of which is hereby incorporated herein by reference. Although Figure 7 shows a two cam bow, the cam configurations disclosed herein can be used on any type of compound archery bow, such as single cam bows, 1.5 cam bows, binary cam bows, crossbows, etc.

25 In some embodiments, a compound bow 50 comprises a riser 52, a first limb 60 and a second limb 62. The first limb 60 supports a first rotatable member 70 on a first axle 18, and the second limb 62 supports a second rotatable member 72 on a second axle 19. The first and second axles 18, 19 define an axle plane 46. A drawstring 20 extends between the rotatable members 70, 72. As shown in Figure 7, each rotatable
30 member 70, 72 comprises a cam. The bow 50 comprises a power cable 24 that attaches to the first rotatable member 70 and extends toward the second limb 62, terminating on

the second rotatable member 72, or in some embodiments, on the second axle 19 or second limb 62.

The bow of Figure 7 further comprises a second power cable 26 that attaches to the second rotatable member 72 and extends toward the first limb 60, terminating on the first rotatable member 70, or in some embodiments, on the first axle 18 or first limb 60. In some embodiments, the configuration of the second rotatable member 72 is a mirror image of the first rotatable member 70. In some embodiments, the first and second power cables 24, 26 are essentially mirrored; however, a person of ordinary skill in the art would recognize that the cables 24, 26 may be held in a slightly displaced configuration by a cable guard 49.

The bow can be drawn throughout a plurality of draw orientations. An at-rest condition is generally considered a brace condition. The bow can be drawn by applying a rearward force to the drawstring 20, which causes the rotatable members 70, 72 to rotate. As the bow is drawn, the limbs 60, 62 flex and store energy. As the bow reached a fully drawn condition, the force required to hold back the drawstring 20 will let off due to the compounding configuration of the cam(s) and power cable(s).

Figures 1-3 show an embodiment of a cam 10 that is suitable for use in a compound archery bow 50, for example as the first rotatable member 70 and/or the second rotatable member 72 shown in Figure 7. A drawstring 20 is attached to the cam 10, which will typically extend to another rotatable member of the bow, such as a pulley or another cam, such as the second rotatable member 72 shown in Figure 7. A first power cable 24 is also attached to the cam 10. The first power cable 24 is arranged to contact a cam track 14 as the bow is drawn. The specific contour of the cam track 14 can impact and/or control various characteristics of the bow, such as the draw force profile, the draw length, the amount of force let-off provided by the compounding action, etc.

In some embodiments, the cam 10 comprises a body portion 12 and an adjustable module 16. The adjustable module 16 comprises at least a portion of the cam track 14, the orientation of the module 16 is adjustable with respect to the body portion 12. The module 16 is typically fastened to the body portion 12 in one of a plurality of predetermined orientations. As shown in Figure 1, the module 16 is rotatable about the axis of cam rotation, such as the axle 18. Adjustment of the module 16 with respect to

the body portion 12 will change characteristics of the bow, such as the draw length. In some embodiments, a module 16 can be removed and replaced with a second, interchangeable module that has a different shape. Adjustable modules and interchangeable modules are also discussed in US 2010/0089375.

5 The first power cable 24 will extend from an opposite limb or rotatable member to the cam 10. A second power cable 26 is also shown, which terminates by attaching to the axle 18. In some embodiments, the first power cable 24 will contact a portion of the cam surface/track 14 in the brace condition, depending on the specific cam design. The first power cable 24 includes an elongate straight portion 28 located
10 near the cam 10. The first power cable 24 extends around a capstan 30 and attaches to a terminal post 32. The power cable 24 comprises a capstan portion 34 in contact with the capstan 30 and a terminal portion 36 in contact with the terminal 32. Desirably, the capstan 30 comprises a groove or track for the cable 24, which is aligned in a common plane with the cam surface/track 14. In some embodiments, the capstan 30 comprises a
15 portion of the cam body 12.

 In some embodiments, the location of the terminal post 32 and the shape of the capstan 30 result in the power cable 24 wrapping around the capstan 30 in a direction away from the axle 18 before terminating on the post 32. In some
20 embodiments, the cable wraps around the capstan 30 in a direction opposite the direction of cam 10 rotation as the bowstring 20 is drawn. As shown in Figure 1, the cam 10 will rotate in a first rotational direction 76 (e.g. clockwise) when drawn, and the power cable 24 wraps around the capstan 30 and extends toward the terminal post 32 in a second rotational direction 78 (e.g. counter-clockwise) that is opposite the first rotational direction as the power cable 24 is traversed from the elongate straight portion
25 28 toward the terminal portion 36.

 In some embodiments, the elongate straight portion 28 defines a cable plane 44, and the first axle 18 and the terminal 32 are located on opposite sides of the cable plane 44.

30 In some embodiments, a distance between the first axle 18 and the terminal 32 is greater than a distance between the first axle 18 and a portion of the cam track 14.

 The drawstring 20 leaves the cam 10 at an exit location 22. The axle

plane 46 described with respect to Figure 7 is illustrated in Figure 1. The axle plane 46 divides the cam 10 into a first part 47 and a second part 48. The capstan 30 and terminal 32 are located in the first part 47, and the drawstring 20 exit location 22 is located in the second part 48. A distance between the terminal 32 and the axle plane 46 is greater than
 5 a distance between the capstan 30 and the axle plane 46. Preferably, the distances are measured in a direction orthogonal to the axle plane 46 – thus, the recited distances are the shortest distances between the axle plane 46 and the cam portions at issue.

The cam 10 shown in Figure 1 is suitable for use in a two cam bow, wherein a second cam comprises a mirror image of the cam 10. The features shown and
 10 described with respect to Figure 1 can be duplicated in mirror image and be used as a second rotatable member 72 as shown in Figure 7. For example, the second power cable 26 shown in Figure 1 would wrap around a second capstan and attach to a second terminal on the second cam. It should be noted that the second cam would rotate in the second rotational direction 78 and the second power cable 26 would wrap around the
 15 second capstan in the first rotational direction 76.

Figure 2 shows the cam 10 of Figure 1 in a drawn condition. The cam 10 has rotated about the axle 18 approximately 225 degrees from the condition of Figure 1. The first power cable 24 extends around the adjustable module 16 contacting almost a complete periphery of the module 16. The first power cable 24 then wraps around the
 20 capstan 30 and terminates on the terminal post 32.

As shown in Figure 2, the capstan 30 comes close to contacting the power cable 24, resulting in a portion the power cable 24 almost contacting itself. Such contact is often a limiting factor in cam design, which limits the amount of rotation that can be achieved. Having the cable 24 wrap around the capstan 30 and extend in a
 25 direction opposite of cam rotation provides for some added draw capability. From Figure 2, it is clear that if the power cable 24 wrapped in the same direction as cam rotation, and the terminal post 32 were located on the other side of the capstan 30, rotation capability would be substantially diminished.

In some embodiments, the use of a capstan 30 is beneficial because the
 30 location of the power cable 24 as it wraps about the capstan 30 is effectively fixed. In various cam designs where a capstan 30 is not used, the power cable 24 often extends directly to the terminal post 32, allowing the power cable to rotate about the terminal

post 32. Thus, the capstan 30 can be used to secure the power cable 24 such that it does not rotate about the terminal post 32. Also, a power cable 24 often splits to form a loop 25 at the terminal post 32. When an arrow is fired, high forces and vibrations are typically present in the cable 24. The capstan 30 causes reaction forces to be applied to portions of the cable 24 having a full cross-sectional area, whereas if the capstan 30 were omitted, reaction forces could be applied to the smaller cross-sectional area loop 25 portion.

As shown in Figure 2, in the drawn condition, the first power cable 24 comprises an elongate straight portion 28 that is located near the cam 10 and extends away from the cam 10. In some embodiments, in the drawn condition, the capstan 30 is located closer to the elongate straight portion 28 than the terminal 32.

Figure 3 shows a combination of Figures 1 and 2, wherein the subject matter of Figure 1 (brace condition) is shown in dashed lines and the subject matter of Figure 2 (drawn condition) is shown in solid lines.

Figures 4-6 show another embodiment of a cam 10 in various orientations. Figure 4 shows a brace orientation, Figure 5 shows a drawn orientation and Figure 6 shows the cam in both orientations. Like reference characters indicate like features when compared to Figures 1-3.

In Figure 4, the first power cable 24 does not contact the cam surface 14 when in the brace condition. The capstan 30 works to locate and secure the power cable 24. The power cable 24 wraps around the capstan 30 and extends in a direction away from the axle 18. The power cable 24 wraps around the capstan 30 in the second rotational direction 78 as the power cable is traversed from the elongate straight portion 28 toward the terminal 32. The cam 10 rotates in the first rotational direction 76 as the bowstring 20 is drawn.

The cam track 14 comprises a fixed portion 56 and a removable portion 58. The removable portion 58 is shaded for clarification in Figure 4. The removable portion 58 can be detached and replaced with another embodiment of a removable portion 58 that is shaped differently and is interchangeable. This allows the bow to be configured for different characteristics, such as changing draw length and/or draw weight.

When the power cable 24 does not contact the removable portion 58 of the cam track 14 in the brace condition, the removable portion 58 can be removed without the use of specialized bow servicing equipment, such as a bow press.

Preferably, the power cable 24 will initially contact the fixed portion 56
5 of the cam track 14 as the drawstring 20 is drawn.

In Figure 4, a second power cable 26 attaches to a force vectoring anchor 40, for example as disclosed in US 2010/0089375.

The above disclosure is intended to be illustrative and not exhaustive.
This description will suggest many variations and alternatives to one of ordinary skill in
10 this field of art. All these alternatives and variations are intended to be included within the scope of the claims where the term “comprising” means “including, but not limited to.” Those familiar with the art may recognize other equivalents to the specific embodiments described herein which equivalents are also intended to be encompassed by the claims.

15 Further, the particular features presented in the dependent claims can be combined with each other in other manners within the scope of the invention such that the invention should be recognized as also specifically directed to other embodiments having any other possible combination of the features of the dependent claims. For instance, for purposes of claim publication, any dependent claim which follows should
20 be taken as alternatively written in a multiple dependent form from all prior claims which possess all antecedents referenced in such dependent claim if such multiple dependent format is an accepted format within the jurisdiction (e.g. each claim depending directly from claim 1 should be alternatively taken as depending from all previous claims). In jurisdictions where multiple dependent claim formats are restricted,
25 the following dependent claims should each be also taken as alternatively written in each singly dependent claim format which creates a dependency from a prior antecedent-possessing claim other than the specific claim listed in such dependent claim below.

This completes the description of the preferred and alternate
30 embodiments of the invention. Those skilled in the art may recognize other equivalents to the specific embodiment described herein which equivalents are intended to be encompassed by the claims attached hereto.

Search Notes 	Application/Control No. 14230659	Applicant(s)/Patent Under Reexamination MCPHERSON, MATHEW A.
	Examiner JOHN E SIMMS JR	Art Unit 3711

CPC- SEARCHED		
Symbol	Date	Examiner
F41B5/00,10,105	18 August 2015	JS

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
Class F41B5/ crossed with text	18 August 2015	JS
inventor search	18 August 2015	JS
updated search	7 December 2015	JS
interference search crossed with text	7 December 2015	JS

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
F41B5/	10,105	7 December 2015	JS

/JOHN E SIMMS JR/ Examiner.Art Unit 3711	
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Search Notes 	Application/Control No. 14230659	Applicant(s)/Patent Under Reexamination MCPHERSON, MATHEW A.
	Examiner JOHN E SIMMS JR	Art Unit 3711

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SEARCH NOTES		
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inventor search	18 August 2015	JS

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

/JOHN E SIMMS JR/ Examiner.Art Unit 3711	
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AO 120 (Rev. 08/10)

TO:	Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. 1116, you are hereby advised that a court action has been filed in the U.S. District Court for the District of Oregon on the following

☐ Trademarks or ☒ Patents (☐ the patent action involves 35 U.S.C. § 292)

DOCKET NO. 6:18-cv-01087-JR	DATE FILED 6/21/2018	U.S. DISTRICT COURT District of Oregon
PLAINTIFF MCP IP, LLC		DEFENDANT Bowtech, Inc.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 7,946,281	5/24/2011	MCP IP
2 8,443,791	5/21/2013	MCP IP
3 8,919,333	12/30/2014	MCP IP
4 9,423,201	8/23/2016	MCP IP
5 9,816,775	11/14/2017	MCP IP

In the above-entitled case, the following patent(s)/trademark(s) have been included:

DATE INCLUDED	INCLUDED BY	
	☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1		
2		
3		
4		
5		

In the above-entitled case, the following decision has been rendered or judgment issued:

DECISION/JUDGMENT		
CLERK MARY L. MORAN	(BY) DEPUTY CLERK K. Finerson	DATE 6/21/2018

Copy 1 Upon initiation of action, mail this copy to Director Copy 3 Upon termination of action, mail this copy to Director
 Copy 2 Upon filing document adding patent(s), mail this copy to Director Copy 4 Case file copy

PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
6,035,840	3/14/00	MCP IP
8,683,989	4/1/14	MCP IP
9,354,017	5/31/16	MCP IP
8,453,635	6/4/13	MCP IP
8,701,644	4/22/14	MCP IP
9,285,180	3/15/16	MCP IP
9,644,918	5/9/17	MCP IP
8,047,189	11/1/11	MCP IP
8,408,192	4/2/13	MCP IP
8,505,526	8/13/13	MCP IP
9,389,040	7/12/16	MCP IP
7,987,842	8/2/11	MCP IP
8,596,256	12/3/13	MCP IP
9,400,154	7/26/16	MCP IP
8,402,960	3/26/13	MCP IP
8,671,929	3/18/14	MCP IP
9,909,831	3/6/18	MCP IP
9,851,169	12/26/17	MCP IP
9,829,271	11/28/17	MCP IP

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(c).

I hereby appoint:



Practitioners associated with Customer Number:

134862

OR



Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number

Name	Registration Number

As attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignments documents attached to this form in accordance with 37 CFR 3.73(c).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(c) to:



The address associated with Customer Number:

134862

OR

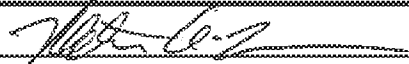
☐	Firm or Individual Name			
	Address			
	City	State	Zip	
	Country			
	Telephone	Email		

Assignee Name and Address: MCP IP, LLC.
919 River Rd
Sparta, WI 54656

A copy of this form, together with a statement under 37 CFR 3.73(c) (Form PTO/AIA/98 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(c) may be completed by one of The practitioners appointed in this form, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	08-25-2015
Name	Mathew A. McPherson	Telephone	
Title	Owner		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to 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.

Privacy Act Statement

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

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

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

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(c).

I hereby appoint:



Practitioners associated with Customer Number:

00490

OR



Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number

Name	Registration Number

As attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignments documents attached to this form in accordance with 37 CFR 3.73(c).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(c) to:



The address associated with Customer Number:

00490

OR

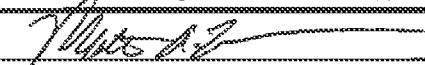
☐	Firm or Individual Name			
	Address			
	City	State	Zip	
	Country			
	Telephone	Email		

Assignee Name and Address: MAMC, LLC
919 River Road, P.O. Box 367
Sparta, WI 54656

A copy of this form, together with a statement under 37 CFR 3.73(c) (Form PTO/AIA/98 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(c) may be completed by one of the practitioners appointed in this form, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	11/25/13
Name	Mathew A. McPherson	Telephone	608-269-2728
Title			

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to 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.

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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.

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

Title of
Invention **Archery Bow Cam**

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 14/230659
filed on March 31, 2014

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.

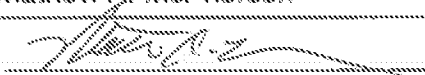
WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identify them. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2036 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-2036 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Mathew A. McPherson

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.

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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United States Patent and Trademark Office
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www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/230,659	03/31/2014	Mathew A. McPherson	M55.2-14675-US03

CONFIRMATION NO. 6106

PUBLICATION NOTICE



OC00000069924467

490
VIDAS, ARRETT & STEINKRAUS, P.A.
Richard A. Arrett
SUITE 400, 6640 SHADY OAK ROAD
6640 Shady Oak Rd.
EDEN PRAIRIE, MN 55344

Title:ARCHERY BOW CAM

Publication No.US-2014-0209081-A1

Publication Date:07/31/2014

NOTICE OF PUBLICATION OF APPLICATION

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

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

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

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

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

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



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www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

134862 7590 02/02/2016
MCP IP, LLC
919 River Road
Sparta, WI 54656

EXAMINER

SIMMS JR, JOHN ELLIOTT

ART UNIT

PAPER NUMBER

3711

DATE MAILED: 02/02/2016

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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14/230,659

03/31/2014

Mathew A. McPherson

M55.2-14675-US03

6106

TITLE OF INVENTION: ARCHERY BOW CAM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0	\$0	\$480	05/02/2016

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

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

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. 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: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or **Fax** (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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

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.

134862 7590 02/02/2016
MCP IP, LLC
919 River Road
Sparta, WI 54656

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 facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/230,659	03/31/2014	Mathew A. McPherson	M55.2-14675-US03	6106

TITLE OF INVENTION: ARCHERY BOW CAM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0	\$0	\$480	05/02/2016

EXAMINER	ART UNIT	CLASS-SUBCLASS
SIMMS JR, JOHN ELLIOTT	3711	124-025600

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/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form 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 has been filed for recordation as set forth in 37 CFR 3.11. 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. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

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

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

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

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

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

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

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

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

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/230,659	03/31/2014	Mathew A. McPherson	M55.2-14675-US03	6106
134862	7590	02/02/2016	EXAMINER	
MCP IP, LLC 919 River Road Sparta, WI 54656			SIMMS JR, JOHN ELLIOTT	
			ART UNIT	PAPER NUMBER
			3711	
DATE MAILED: 02/02/2016				

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 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, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

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

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

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

IPR2024-00523

Notice of Allowability	Application No. 14/230,659	Applicant(s) MCPHERSON, MATHEW A.	
	Examiner JOHN E. SIMMS JR	Art Unit 3711	AIA (First Inventor to File) Status No

-- 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 23 November 2105.
☐ 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 1-20. 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 _____. | |

/JOHN E SIMMS JR/
Primary Examiner, Art Unit 3711

Art Unit: 3711

1. The present application is being examined under the pre-AIA first to invent provisions.

REASONS FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance: the prior art does not teach an archery bow having a first rotatable member supported on a first limb and rotatable about a first axis, a power cable, and a terminal, on the first rotatable member, the power cable extending toward a second limb, the power cable being wrapped around a capstan on the first rotatable member, in a counter-clockwise direction and attached to the terminal, wherein when the bow is drawn, the first rotatable member rotates in a clockwise direction.

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 or earlier communications from the examiner should be directed to JOHN E. SIMMS JR whose telephone number is (571)270-7474. The examiner can normally be reached on M-F 8:30 a.m. - 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Melba Bumgarner can be reached on (571) 272-4709. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3711

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

/JOHN E SIMMS JR/
Primary Examiner, Art Unit 3711
7 December 2015



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/230,659	03/31/2014	Mathew A. McPherson	M55.2-14675-US03	6106

490 7590 08/21/2015
VIDAS, ARRETT & STEINKRAUS, P.A.
Richard A. Arrett
9531 West 78th Street
Suite 400
Eden Prairie, MN 55344

EXAMINER

SIMMS JR, JOHN ELLIOTT

ART UNIT	PAPER NUMBER
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3711

NOTIFICATION DATE	DELIVERY MODE
-------------------	---------------

08/21/2015

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):

mail@vaslaw.com
rleaf@vaslaw.com
rarrett@vaslaw.com

Office Action Summary	Application No. 14/230,659	Applicant(s) MCPHERSON, MATHEW A.	
	Examiner JOHN E. SIMMS JR	Art Unit 3711	AIA (First Inventor to File) Status No

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

Period for Reply

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

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

Status

- 1) ☒ Responsive to communication(s) filed on 31 March 2014.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) ☒ Claim(s) 1-20 is/are pending in the application.
5a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 6) ☐ Claim(s) _____ is/are allowed.
- 7) ☒ Claim(s) 1-20 is/are rejected.
- 8) ☐ Claim(s) _____ is/are objected to.
- 9) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

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

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☒ The drawing(s) filed on 31 March 2014 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

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

Certified copies:

- a) ☐ All b) ☐ Some** c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

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

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date 11 July 2014.
- 3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 4) ☐ Other: _____.

DETAILED ACTION

1. The present application is being examined under the pre-AIA first to invent provisions.

Double Patenting

2. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the “right to exclude” granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory double patenting rejection is appropriate where the claims at issue 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); and *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 a nonstatutory double patenting ground provided the reference application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The USPTO internet Web site contains terminal disclaimer forms which may be used. Please visit <http://www.uspto.gov/forms/>. The filing date of the application will determine what

Art Unit: 3711

form 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 <http://www.uspto.gov/patents/process/file/efs/guidance/eTD-info-I.jsp>.

3. Claims 1-20 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-9, 11, 12, and 15-18 of U.S. Patent No. 8,683,989. Although the claims at issue are not identical, they are not patentably distinct from each other because Claim 1 of the patent discloses the features of Claims 1 and 2. Claim 11 of the patent discloses the features of Claims 3 and 15. Claims 2-9 of the patent disclose the features of Claims 4-11 respectively. Claim 12 of the patent discloses the features of Claims 12-14. Claims 14-18 of the patent disclose the features of Claims 16-20 respectively.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOHN E. SIMMS JR whose telephone number is (571)270-7474. The examiner can normally be reached on M-F 8:30 a.m. - 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eugene Kim can be reached on (571) 272-4463. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3711

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

/JOHN E SIMMS JR/
Examiner, Art Unit 3711
18 August 2015



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/230,659	03/31/2014	Mathew A. McPherson	M55.2-14675-US03

CONFIRMATION NO. 6106

490

VIDAS, ARRETT & STEINKRAUS, P.A.

Richard A. Arrett

SUITE 400, 6640 SHADY OAK ROAD

6640 Shady Oak Rd.

EDEN PRAIRIE, MN 55344

NOTICE



Date Mailed: 04/23/2014

INFORMATIONAL NOTICE TO APPLICANT

Applicant is notified that the above-identified application contains the deficiencies noted below. No period for reply is set forth in this notice for correction of these deficiencies. However, if a deficiency relates to the inventor's oath or declaration, the applicant must file an oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each actual inventor no later than the expiration of the time period set in the "Notice of Allowability" to avoid abandonment. See 37 CFR 1.53(f).

The item(s) indicated below are also required and should be submitted with any reply to this notice to avoid further processing delays.

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):
Mathew A. McPherson

Notice of References Cited	Application/Control No. 14/230,659	Applicant(s)/Patent Under Reexamination MCIPHERSON, MATHEW A.	
	Examiner JOHN E. SIMMS JR	Art Unit 3711	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-5,791,322	08-1998	McPherson, Mathew A.	124/25.6
*	B	US-4,438,753	03-1984	Simonds, Gary	124/25.6
*	C	US-4,838,236	06-1989	Kudlacek, Donald S.	124/25.6
*	D	US-5,934,265	08-1999	Darlington, Rex F.	124/25.6
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

Doc code: IDS

PTO/SB/08a (01-10)

Doc description: Information Disclosure Statement (IDS) Filed

Approved for use through 07/31/2012. OMB 0651-0031

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

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		14230659
	Filing Date		2014-03-31
	First Named Inventor	Matthew A. McPherson	
	Art Unit	3711	
	Examiner Name		
	Attorney Docket Number	M55.2N-14675-US03	

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	RE37544		2002-02-12	Darlington	
	2	RE39880		2007-10-16	McPherson	
	3	3486495		1969-12-30	Allen	
	4	4060066		1977-11-29	Kudlacek	
	5	4064862		1977-12-27	Groner	
	6	4438753		1984-03-27	Simonds	
	7	4461267		1984-07-24	Simonds et al.	
	8	4515142		1985-05-07	Nurney	

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

Application Number		14230659
Filing Date		2014-03-31
First Named Inventor	Matthew A. McPherson	
Art Unit		3711
Examiner Name		
Attorney Docket Number		M55.2N-14675-US03

	9	4519374		1985-05-28	Miller	
	10	4739744		1988-04-26	Nurney	
	11	4774927		1988-10-04	Larson	
	12	4838236		1989-06-13	Kudlacek	
	13	4986250		1991-01-22	Darlington	
	14	5040520		1991-08-20	Nurney	
	15	5368006		1994-11-29	McPherson	
	16	5791322		1998-08-11	McPherson	
	17	5791323		1998-08-11	Dunlap	
	18	5934265		1999-08-10	Darlington	
	19	5960778		1999-10-05	Larson	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	14230659
Filing Date	2014-03-31
First Named Inventor	Matthew A. McPherson
Art Unit	3711
Examiner Name	
Attorney Docket Number	M55.2N-14675-US03

20	6082347		2000-07-04	Darlington	
21	6360735		2002-03-26	Larson et al.	
22	6446619		2002-09-10	McPherson	
23	6516790		2003-02-11	Darlington	
24	6691692		2004-02-17	Adkins	
25	6871643		2005-03-29	Cooper et al.	
26	6990970		2006-01-31	Darlington	
27	7082937		2006-08-01	Land	
28	7188615		2007-03-13	Chang	
29	7305979		2007-12-11	Yehle	

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

Application Number		14230659
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Art Unit	3711	
Examiner Name		
Attorney Docket Number	M55.2N-14675-US03	

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	20100089375		2010-04-15	McPherson et al.	

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

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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							☐

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NON-PATENT LITERATURE DOCUMENTS
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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	Priority Application No.: 61/247473; Filed: 2009-09-30; Inventor: McPherson.	☐

If you wish to add additional non-patent literature document citation information please click the Add button **Add**

EXAMINER SIGNATURE

Examiner Signature	/JOHN SIMMS JR/	Date Considered	08/18/2015
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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.

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.



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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/230,659	05/31/2016	9354017	M55.2-14675-US03	6106

134862 7590 05/11/2016
MCP IP, LLC
919 River Road
Sparta, WI 54656

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

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

The Patent Term Adjustment is 81 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

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

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

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

MCP IP, LLC, Sparta, WI;
Mathew A. McPherson, Norwalk, WI;

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

Issue Classification 	Application/Control No. 14230659	Applicant(s)/Patent Under Reexamination MCIPHERSON, MATHEW A.	
	Examiner JOHN E SIMMS JR	Art Unit 3711	

CPC						
Symbol					Type	Version
F41B		5		105	F	2013-01-01
F41B		5		10	I	2013-01-01
						
						
						
						
						
						
						
						
						
						
						
						
						

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version
				
				

NONE		Total Claims Allowed:	
(Assistant Examiner)		20	
(Date)			
/JOHN E SIMMS JR/ Primary Examiner.Art Unit 3711	12/07/2015	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

Issue Classification 	Application/Control No. 14230659	Applicant(s)/Patent Under Reexamination MCPHERSON, MATHEW A.
	Examiner JOHN E SIMMS JR	Art Unit 3711

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☒ T.D. ☐ R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	17	17												
2	2	18	18												
3	3	19	19												
4	4	20	20												
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16	16														

NONE	Total Claims Allowed: 20	
(Assistant Examiner)	(Date)	
/JOHN E SIMMS JR/ Primary Examiner.Art Unit 3711	12/07/2015	O.G. Print Claim(s) 1
(Primary Examiner)	(Date)	O.G. Print Figure 1

Document Description: Issue Fee Payment (PTO-85B)

Issue Fee Transmittal Form

Application Number	Filing Date	First Named Inventor	Atty. Docket No.	Confirmation No.
14230659	31-Mar-2014	Mathew McPherson	M55.2-14675-US03	6106

TITLE OF INVENTION :

ARCHERY BOW CAM

Entity Status	Application Type	Art Unit	Class - Subclass	EXAMINER
Small	Utility under 35 USC 111(a)	3711	025600	JOHN SIMMS JR
Issue Fee Due	Publication Due	Total Fee(s) Due	Date Due	Prev. Paid Fee
\$480	\$0	\$480	02-May-2016	\$0

1.Change of Correspondence Address and/or Indication Of Fee Address (37 CFR 1.33 & 1.363)

Current Correspondence Address:	Current Indicated Fee Address :
134862 MCP IP, LLC 919 River Road Sparta WI 54656 UNITED STATES 608 269 2728 jeremy.laabs@mathewsinc.com	
☐ Change of correspondence address requested, system generated AIA/122-EFS form attached	☐ Fee Address indication requested, system generated SB/47-EFS form attached

2.Entity Status

Change in Entity Status

- ☐

Applicant certifying micro entity status; system generated Micro Entity certification form attached. See 37 CFR 1.29.
Note: Absent a valid certification of micro entity status, issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
If this box is checked, you will be prompted to choose a micro entity status on the gross income basis (37 CFR 1.29(a)) or the institution of higher education basis (37 CFR 1.29(d)), and make the applicable certification online.
- ☒

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

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

Document Description: Issue Fee Payment (PTO-85B)

3.The Following Fee(s) Are Submitted:

☒ Issue Fee

☐ I authorize USPTO to apply my previously paid issue fee to the current fees due

☐ Publication Fee

☐ The Director is hereby authorized to apply my previously paid issue fee to the current fee due and to charge deficient fees to Deposit Account Number _____

☐ Advance Order - # of copies _____

☐ If in **addition** to the payment of the issue fee amount submitted with this form, there are any discrepancies in any amount(s) due, the Director is authorized to charge any deficiency, or credit any overpayment, to Deposit Account Number _____.
The **issue fee must be submitted** with this form. **If payment of the issue fee does not accompany this form, checking this box and providing a deposit account number will NOT be effective to satisfy full payment of the fee(s) due.**

4.Firm and/or Attorney Names To Be Printed

NOTE: If no name is listed, no name will be printed
For printing on the patent front page, list to be displayed as entered

1.
2.
3.

5.Assignee Name(s) and Residence Data To Be Printed

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

Name	City	State	Country	Category
MCP IP, LLC	Sparta	WISCONSIN	united states	corporation

6.Signature

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 has filed and has been granted power of attorney in this application. I also certify that this Fee(s) Transmittal form is being transmitted to the USPTO via EFS-WEB on the date indicated below.

Signature	/Jeremy G Laabs/	Date	04-29-2016
Name	Jeremy G. Laabs	Registration Number	53170

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		14230659
	Filing Date		2014-03-31
	First Named Inventor	Matthew A. McPherson	
	Art Unit	3711	
	Examiner Name		
	Attorney Docket Number	M55.2N-14675-US03	

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
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	3	3486495		1969-12-30	Allen	
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	7	4461267		1984-07-24	Simonds et al.	
	8	4515142		1985-05-07	Nurney	

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Application Number		14230659
Filing Date		2014-03-31
First Named Inventor	Matthew A. McPherson	
Art Unit		3711
Examiner Name		
Attorney Docket Number		M55.2N-14675-US03

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	11	4774927		1988-10-04	Larson	
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	14	5040520		1991-08-20	Nurney	
	15	5368006		1994-11-29	McPherson	
	16	5791322		1998-08-11	McPherson	
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	22	6446619		2002-09-10	McPherson	
	23	6516790		2003-02-11	Darlington	
	24	6691692		2004-02-17	Adkins	
	25	6871643		2005-03-29	Cooper et al.	
	26	6990970		2006-01-31	Darlington	
	27	7082937		2006-08-01	Land	
	28	7188615		2007-03-13	Chang	
	29	7305979		2007-12-11	Yehle	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		14230659	
	Filing Date		2014-03-31	
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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	20100089375		2010-04-15	McPherson et al.	

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							☐

If you wish to add additional Foreign Patent Document citation information please click the Add button **Add**

NON-PATENT LITERATURE DOCUMENTS				Remove
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	Priority Application No.: 61/247473; Filed: 2009-09-30; Inventor: McPherson.	☐	

If you wish to add additional non-patent literature document citation information please click the Add button **Add**

EXAMINER SIGNATURE			
Examiner Signature		Date Considered	

*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.

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.

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Application Number	14230659
Filing Date	2014-03-31
First Named Inventor	Matthew A. McPherson
Art Unit	3711
Examiner Name	
Attorney Docket Number	M55.2N-14675-US03

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	/Jeremy G Laabs/	Date (YYYY-MM-DD)	2014-07-11
Name/Print	Jeremy G. Laabs	Registration Number	53170

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.**

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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.
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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.
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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.

<i>Index of Claims</i> 	Application/Control No. 14230659	Applicant(s)/Patent Under Reexamination MCPHERSON, MATHEW A.
	Examiner JOHN E SIMMS JR	Art Unit 3711

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

☒ Claims renumbered in the same order as presented by applicant										☐ CPA		☒ T.D.		☐ R.1.47	
CLAIM		DATE													
Final	Original	08/18/2015	12/07/2015												
1	1	✓	=												
2	2	✓	=												
3	3	✓	=												
4	4	✓	=												
5	5	✓	=												
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14	14	✓	=												
15	15	✓	=												
16	16	✓	=												
17	17	✓	=												
18	18	✓	=												
19	19	✓	=												
20	20	✓	=												

<i>Index of Claims</i> 	Application/Control No. 14230659	Applicant(s)/Patent Under Reexamination MCPHERSON, MATHEW A.
	Examiner JOHN E SIMMS JR	Art Unit 3711

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

☐ Claims renumbered in the same order as presented by applicant											☐ CPA		☐ T.D.		☐ R.1.47	
CLAIM		DATE														
Final	Original	08/18/2015														
	1	✓														
	2	✓														
	3	✓														
	4	✓														
	5	✓														
	6	✓														
	7	✓														
	8	✓														
	9	✓														
	10	✓														
	11	✓														
	12	✓														
	13	✓														
	14	✓														
	15	✓														
	16	✓														
	17	✓														
	18	✓														
	19	✓														
	20	✓														



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
14/230,659	03/31/2014	3711	800	M55.2-14675-US03	20	2

CONFIRMATION NO. 6106

490
VIDAS, ARRETT & STEINKRAUS, P.A.
Richard A. Arrett
SUITE 400, 6640 SHADY OAK ROAD
6640 Shady Oak Rd.
EDEN PRAIRIE, MN 55344

FILING RECEIPT



Date Mailed: 04/23/2014

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

Mathew A. McPherson, Norwalk, WI;

Applicant(s)

MCP IP, LLC, Sparta, WI

Assignment For Published Patent Application

MCP IP, LLC, Sparta, WI

Power of Attorney: The patent practitioners associated with Customer Number 00490

Domestic Priority data as claimed by applicant

This application is a CON of 12/895,610 09/30/2010 PAT 8683989
which claims benefit of 61/247,473 09/30/2009

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.

If Required, Foreign Filing License Granted: 04/22/2014

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/230,659**

Projected Publication Date: 07/31/2014

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

ARCHERY BOW CAM

Preliminary Class

124

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

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This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

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NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

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Electronic Patent Application Fee Transmittal

Application Number:	14230659			
Filing Date:	31-Mar-2014			
Title of Invention:	ARCHERY BOW CAM			
First Named Inventor/Applicant Name:	Mathew A. McPherson			
Filer:	Jeremy G. Laabs			
Attorney Docket Number:	M55.2-14675-US03			
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Utility Appl Issue Fee	2501	1	480	480
Publ. Fee- Early, Voluntary, or Normal	1504	1	0	0
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				480

Electronic Patent Application Fee Transmittal				
Application Number:		14230659		
Filing Date:		31-Mar-2014		
Title of Invention:		ARCHERY BOW CAM		
First Named Inventor/Applicant Name:		Mathew A. McPherson		
Filer:		Jeremy G. Laabs		
Attorney Docket Number:		M55.2-14675-US03		
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Statutory or Terminal Disclaimer	1814	1	160	160

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				160

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 14/230,659	Filing Date 03/31/2014	☐ To be Mailed
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ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

(Column 1)

(Column 2)

FOR	NUMBER FILED	NUMBER EXTRA		RATE (\$)	FEE (\$)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		X \$ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		X \$ =	
☐ 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)

	11/23/2015	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE (\$)	ADDITIONAL FEE (\$)
AMENDMENT	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0		X \$40 =	0
	Independent (37 CFR 1.16(h))	* 2	Minus	*** 3	= 0		X \$210 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
	TOTAL ADD'L FEE							0

(Column 1)

(Column 2)

(Column 3)

		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE (\$)	ADDITIONAL FEE (\$)
AMENDMENT	Total (37 CFR 1.16(i))	*	Minus	**	=		X \$ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=		X \$ =	
	☐ 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.

** 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 number found in the appropriate box in column 1.

LIE
/JUDY SWAYNE/

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.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 14/230,659	
APPLICATION AS FILED - PART I							
(Column 1)		(Column 2)		SMALL ENTITY		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	70		N/A	
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	300		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	360		N/A	
TOTAL CLAIMS (37 CFR 1.16(j))	20	minus 20 = *	x 40 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	2	minus 3 = *	x 210 =	0.00			
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).			0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00			
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	730		TOTAL	
APPLICATION AS AMENDED - PART II							
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)
	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	
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)
	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.							

Electronic Patent Application Fee Transmittal				
Application Number:				
Filing Date:				
Title of Invention:		Archery Bow Cam		
First Named Inventor/Applicant Name:		Mathew A. McPherson		
Filer:		Jeremy G. Laabs/Samantha Painschab		
Attorney Docket Number:		M55.2-14675-US03		
Filed as Small Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Utility filing Fee (Electronic filing)	4011	1	70	70
Utility Search Fee	2111	1	300	300
Utility Examination Fee	2311	1	360	360
Pages:				
Claims:				
Miscellaneous-Filing:				
Late Filing Fee for Oath or Declaration	2051	1	70	70
Petition:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				800

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	39	(F41B5/00,10,105).cpc. and @pd>="20150818"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/12/07 09:45
S1	1	("8683989").pn.	US-PGPUB; USPAT	OR	OFF	2015/08/18 09:03
S2	30	("20100089375" "3486495" "4060066" "4064862" "4438753" "4461267" "4515142" "4519374" "4739744" "4774927" "4838236" "4986250" "5040520" "5368006" "5791322" "5791323" "5934265" "5960778" "6082347" "6360735" "6446619" "6516790" "6691692" "6871643" "6990970" "7082937" "7188615" "7305979" "RE37544" "RE39880").PN.	US-PGPUB; USPAT	OR	OFF	2015/08/18 09:39
S3	758	(F41B5/10,105,00).cpc. and ((cam pulley rotatable rotate rotatable) with (tip limb axle))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/08/18 11:11
S4	365	(F41B5/10,105,00).cpc. and ((terminal post peg anchor pin) with cable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/08/18 11:15
S5	327	S3 and S4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/08/18 11:15
S6	39	(McPherson and Mathew).in. and (bow) and ((rotatable cam pulley) same (post peg terminal pin anchor))	US-PGPUB; USPAT	OR	ON	2015/08/18 11:42
S7	19	((MCP adj IP) MAMC).as. and (bow) and ((rotatable cam pulley) same (post peg terminal pin anchor))	US-PGPUB; USPAT	OR	ON	2015/08/18 11:43
S8	4	S7 not S6	US-PGPUB; USPAT	OR	ON	2015/08/18 11:43

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	43	(F41B5/10,105).cpc. and ((cam or pulley) with (post peg terminal)).clm.	US-PGPUB; USPAT	OR	ON	2015/12/07 09:51

12/ 7/ 2015 10:21:36 AM
C:\ Users\ jsimms\ Documents\ EAST\ Workspaces\ 14-230659.wsp

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	758	(F41B5/10,105,00).cpc. and ((cam pulley rotatable rotate rotatable) with (tip limb axle))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/08/18 11:11
L2	365	(F41B5/10,105,00).cpc. and ((terminal post peg anchor pin) with cable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/08/18 11:15
L3	327	L1 and L2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/08/18 11:15
L4	39	(McPherson and Mathew).in. and (bow) and ((rotatable cam pulley) same (post peg terminal pin anchor))	US-PGPUB; USPAT	OR	ON	2015/08/18 11:42
L5	19	((MCP adj IP) MAMC).as. and (bow) and ((rotatable cam pulley) same (post peg terminal pin anchor))	US-PGPUB; USPAT	OR	ON	2015/08/18 11:43
L6	4	L5 not L4	US-PGPUB; USPAT	OR	ON	2015/08/18 11:43
S1	1	("8683989").pn.	US-PGPUB; USPAT	OR	OFF	2015/08/18 09:03
S2	30	("20100089375" "3486495" "4060066" "4064862" "4438753" "4461267" "4515142" "4519374" "4739744" "4774927" "4838236" "4986250" "5040520" "5368006" "5791322" "5791323" "5934265" "5960778" "6082347" "6360735" "6446619" "6516790" "6691692" "6871643" "6990970" "7082937" "7188615" "7305979" "RE37544" "RE39880").PN.	US-PGPUB; USPAT	OR	OFF	2015/08/18 09:39

8/ 18/ 2015 11:49:02 AM
C:\ Users\ jsimms\ Documents\ EAST\ Workspaces\ 14-230659.wsp

Electronic Acknowledgement Receipt

EFS ID:	25645579
Application Number:	14230659
International Application Number:	
Confirmation Number:	6106
Title of Invention:	ARCHERY BOW CAM
First Named Inventor/Applicant Name:	Mathew A. McPherson
Customer Number:	134862
Filer:	Jeremy G. Laabs
Filer Authorized By:	
Attorney Docket Number:	M55.2-14675-US03
Receipt Date:	29-APR-2016
Filing Date:	31-MAR-2014
Time Stamp:	18:54:14
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Electronic Funds Transfer
Payment was successfully received in RAM	\$480
RAM confirmation Number	6317
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

IPR2024-00523

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	Web85b.pdf	45761	no	2
			816088d2e915b23d87805210ec7b9da16b c7c4fe		
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	32324	no	2
			8756a309a9b2363e03a60f79760ccf3f862a 3478		
Warnings:					
Information:					
Total Files Size (in bytes):			78085		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

Electronic Acknowledgement Receipt

EFS ID:	24166221
Application Number:	14230659
International Application Number:	
Confirmation Number:	6106
Title of Invention:	ARCHERY BOW CAM
First Named Inventor/Applicant Name:	Mathew A. McPherson
Customer Number:	490
Filer:	Jeremy G. Laabs
Filer Authorized By:	
Attorney Docket Number:	M55.2-14675-US03
Receipt Date:	23-NOV-2015
Filing Date:	31-MAR-2014
Time Stamp:	16:35:47
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Electronic Funds Transfer
Payment was successfully received in RAM	\$ 160
RAM confirmation Number	3769
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

IPR2024-00523

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment/Req. Reconsideration-After Non-Final Reject	14675US03_amd_20151123.pdf	115735	no	7
			162f0d29c2d36b478f448951913803dd0c3786f7		
Warnings:					
Information:					
2	Authorization for Extension of Time all replies	14675US03_pet_20151123.pdf	88043	no	1
			57bb9b7a82d62efda23eba77be56baf7186df769		
Warnings:					
Information:					
3	Assignee showing of ownership per 37 CFR 3.73	14675us03_statement373_20151123.pdf	117859	no	3
			59131894b50854db8b19a1f5f7c23224cf481821		
Warnings:					
Information:					
4	Terminal Disclaimer Filed	14675us03_terminal_disclaimer_20151123.pdf	160188	no	2
			d4cfc66ad5f4a4c9eb05517803fd000721d98c		
Warnings:					
Information:					
5	Transmittal Letter	14675US03_tra_20151123.pdf	91235	no	1
			7da8d8824b6b0967b08e080d89be45cfb92c4047		
Warnings:					
Information:					
6	Power of Attorney	POA_MCP_IP_executed_2015-8-25.pdf	68202	no	2
			5c9661f9fc7710051e3a9fb59a002e15af545a28		
Warnings:					
The page size in the PDF is too large. The pages should be 8.5 x 11 or A4. If this PDF is submitted, the pages will be resized upon entry into the Image File Wrapper and may affect subsequent processing					
Information:					
7	Fee Worksheet (SB06)	fee-info.pdf	30590	no	2
			d1e748b0c9f0371cf3eede3c10b5beb176ab4234		
Warnings:					
Information:					

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New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

Electronic Acknowledgement Receipt

EFS ID:	19559695
Application Number:	14230659
International Application Number:	
Confirmation Number:	6106
Title of Invention:	ARCHERY BOW CAM
First Named Inventor/Applicant Name:	Mathew A. McPherson
Customer Number:	490
Filer:	Jeremy G. Laabs/Samantha Painschab
Filer Authorized By:	Jeremy G. Laabs
Attorney Docket Number:	M55.2-14675-US03
Receipt Date:	11-JUL-2014
Filing Date:	31-MAR-2014
Time Stamp:	16:23:48
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	14675US03_VASTransmittal_20140711.pdf	79706 ed1b0ff1d6861ffb8e6a709f96b1d315eb271010a	no	1

Warnings:

Information:

IPR2024-00523

2	Information Disclosure Statement (IDS) Form (SB08)	14675US03_IDS_20140702.pdf	613062 4d571a109b3cf34ac9451bef435af8beb4e6c69d	no	6
Warnings:					
Information:					
3	Non Patent Literature	61247473.pdf	707360 d309cf0458c04cb8e966c51fba2b3e74099d4e68	no	10
Warnings:					
Information:					
Total Files Size (in bytes):			1400128		
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Electronic Acknowledgement Receipt

EFS ID:	18853720
Application Number:	14230659
International Application Number:	
Confirmation Number:	6106
Title of Invention:	ARCHERY BOW CAM
First Named Inventor/Applicant Name:	Mathew A. McPherson
Customer Number:	490
Filer:	Jeremy G. Laabs
Filer Authorized By:	
Attorney Docket Number:	M55.2-14675-US03
Receipt Date:	24-APR-2014
Filing Date:	31-MAR-2014
Time Stamp:	16:51:50
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	14675US03_tra_20140424.pdf	102440 5f35eb07a35a81095cd338d2dd3a6d756ebdca5f	no	1

Warnings:

Information:

IPR2024-00523

2	Oath or Declaration filed	14675US03_Executed_Declaration_20140422.pdf	126503 Seed04418ecc1d70f60eae808dc55f06de0d4b33	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			228943		
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Electronic Acknowledgement Receipt

EFS ID:	18628979
Application Number:	14230659
International Application Number:	
Confirmation Number:	6106
Title of Invention:	Archery Bow Cam
First Named Inventor/Applicant Name:	Mathew A. McPherson
Customer Number:	490
Filer:	Jeremy G. Laabs/Samantha Painschab
Filer Authorized By:	Jeremy G. Laabs
Attorney Docket Number:	M55.2-14675-US03
Receipt Date:	31-MAR-2014
Filing Date:	
Time Stamp:	15:48:00
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$800
RAM confirmation Number	2393
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digits	Multi Part (if appl.)	Pages (if appl.)
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1	Transmittal of New Application	14675US03_tra_20140331.pdf	80035 6305674790dd6f6b6e04cbac5e334975101605fb	no	1
Warnings:					
Information:					
2		14675US03_application_20140331.pdf	76667 b67e882a3395da4cc096563defa330f3744eb2a90	yes	14
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Specification		1	9	
	Claims		10	13	
	Abstract		14	14	
Warnings:					
Information:					
3	Drawings-only black and white line drawings	14675US03_formal_dwgs_20140331.pdf	140932 0d05f70a6c48f69dbbdf3ff84d6aba8e0e3994f1	no	7
Warnings:					
Information:					
4	Application Data Sheet	14675US03_AppDataSheet_20140331.pdf	1561419 22c2df69430bac97bb0862639108dc84e751784e	no	7
Warnings:					
Information:					
5	Power of Attorney	14675US03_MAMC_GeneralPOA_Executed_20131125.pdf	210817 71a58f586b20474de96fb359931db4ee79f3bca7	no	2
Warnings:					
Information:					
6	Assignee showing of ownership per 37 CFR 3.73.	14675US03_373c_statement_20140331.pdf	117710 366c50f4d7ff294268921c5aeb92bed39f5626fa	no	3
Warnings:					
Information:					
7	Authorization for Extension of Time all replies	14675US03_pet_20140331.pdf	70966 eb52798905e76b16f5cbeb7d7f8044dfca6b00b7	no	1
Warnings:					
Information:					

8	Fee Worksheet (SB06)	fee-info.pdf	36302	no	2
			6ff222d41f78c2fe72251ecee2ff8f9555ae5348		
Warnings:					
Information:					
Total Files Size (in bytes):				2294848	
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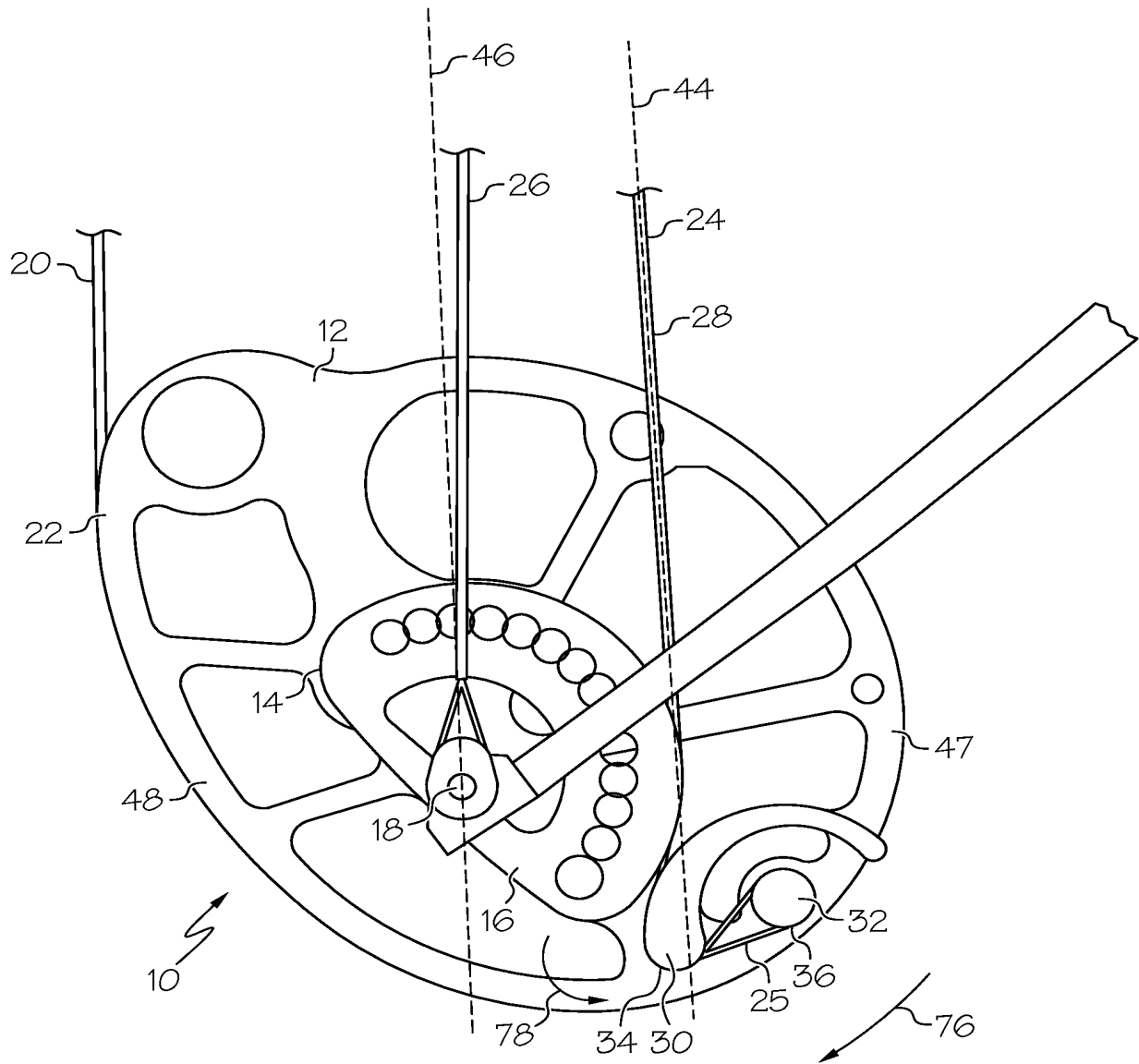


FIG. 1

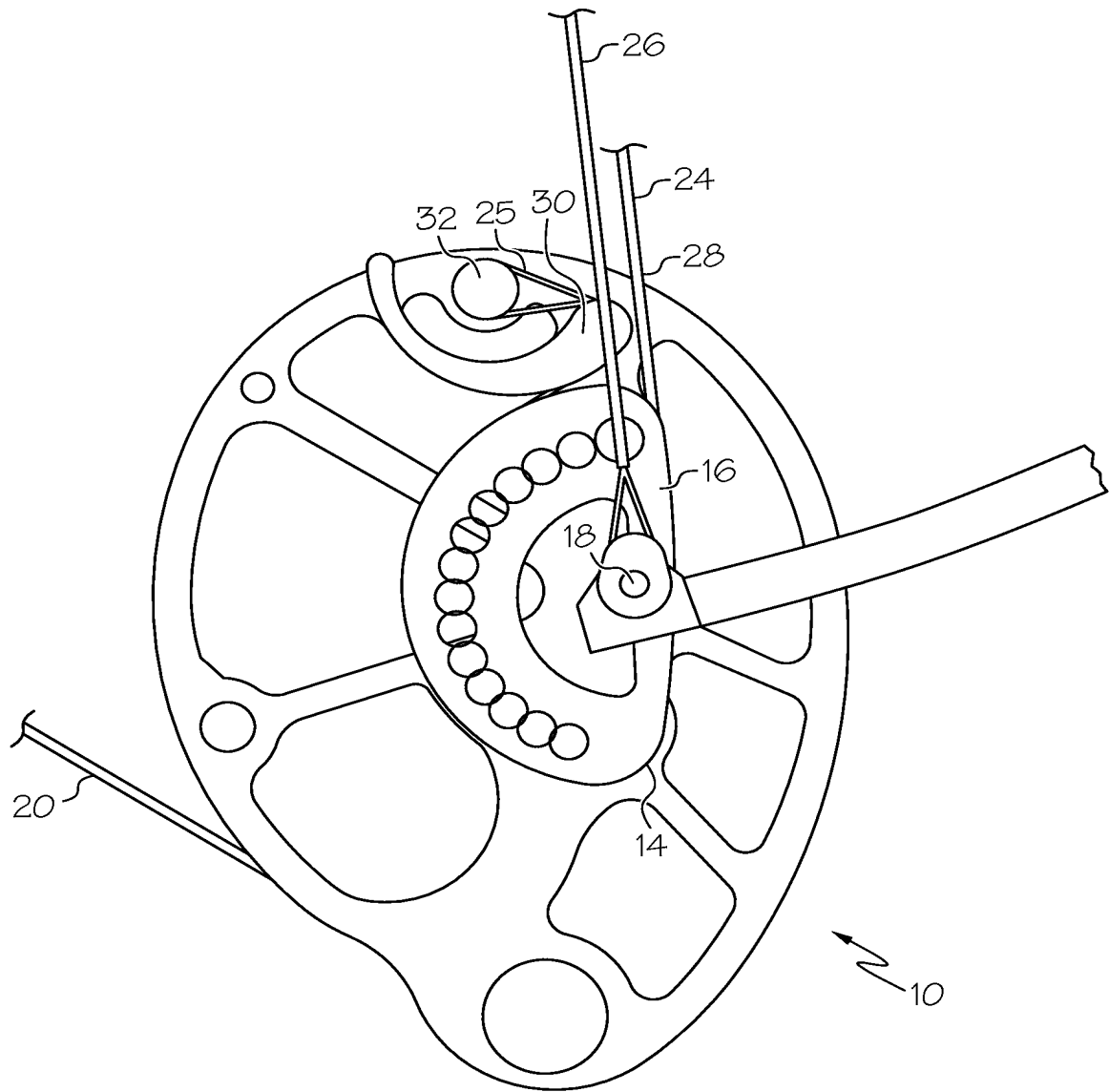


FIG. 2

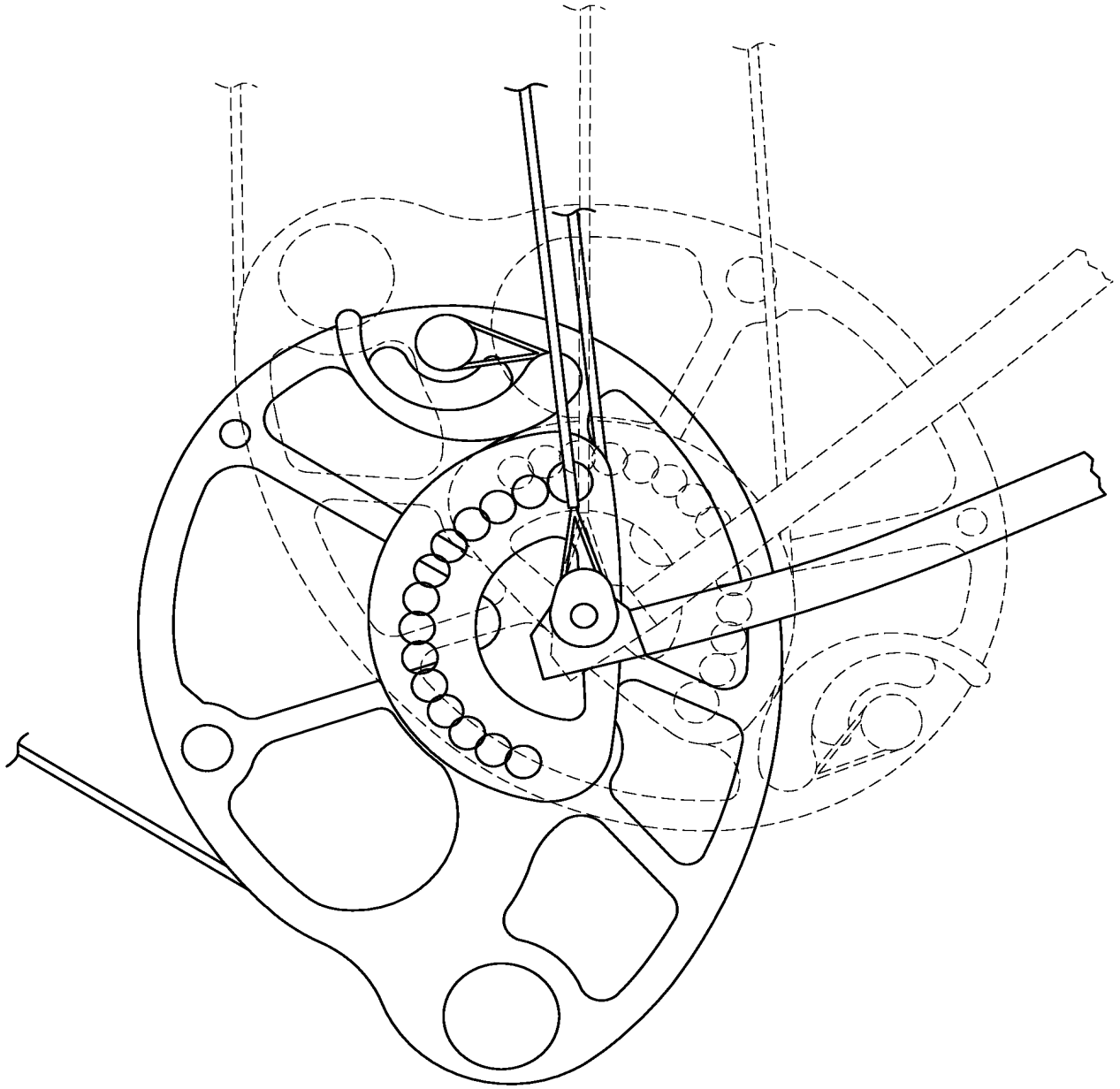


FIG. 3

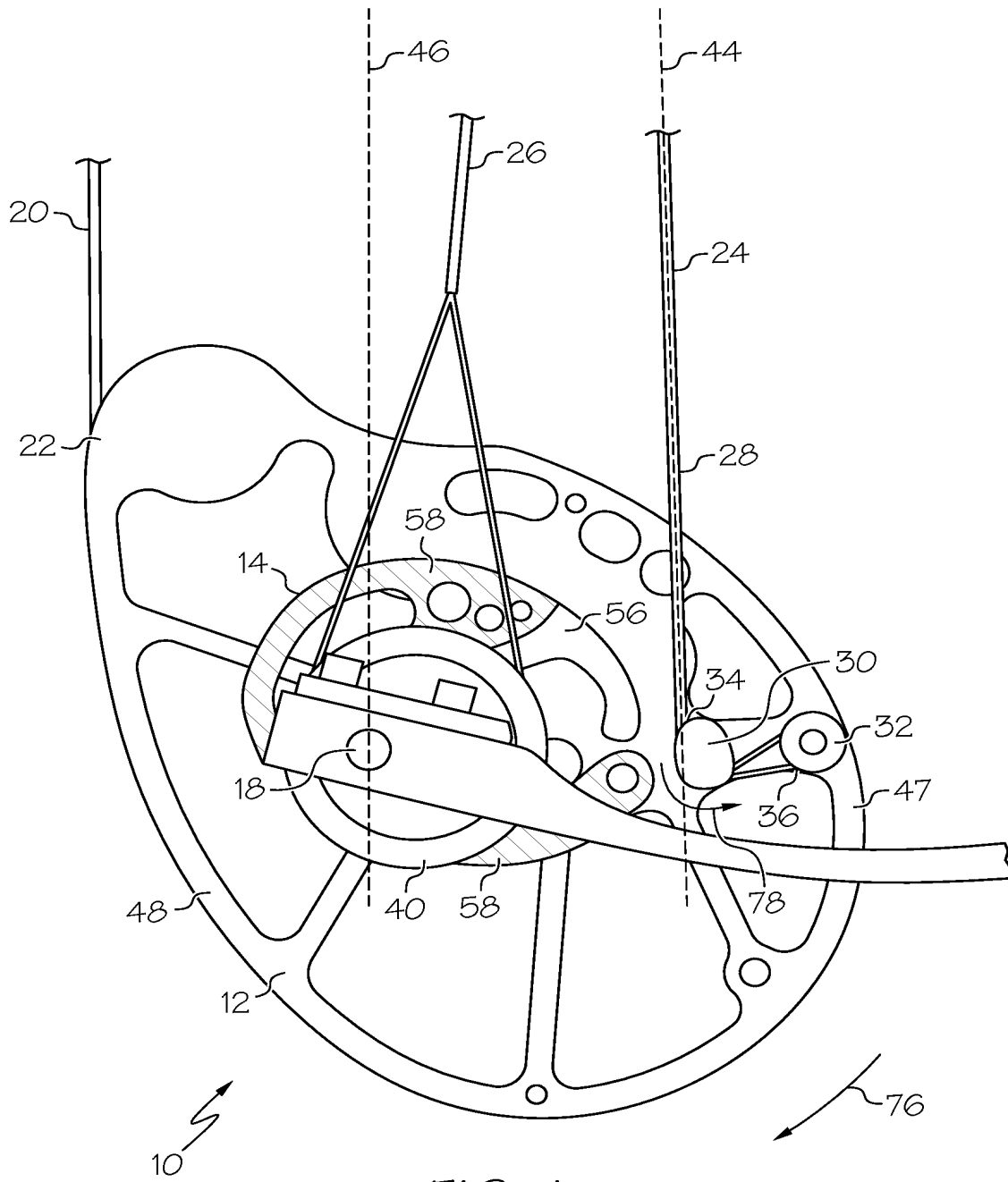


FIG. 4

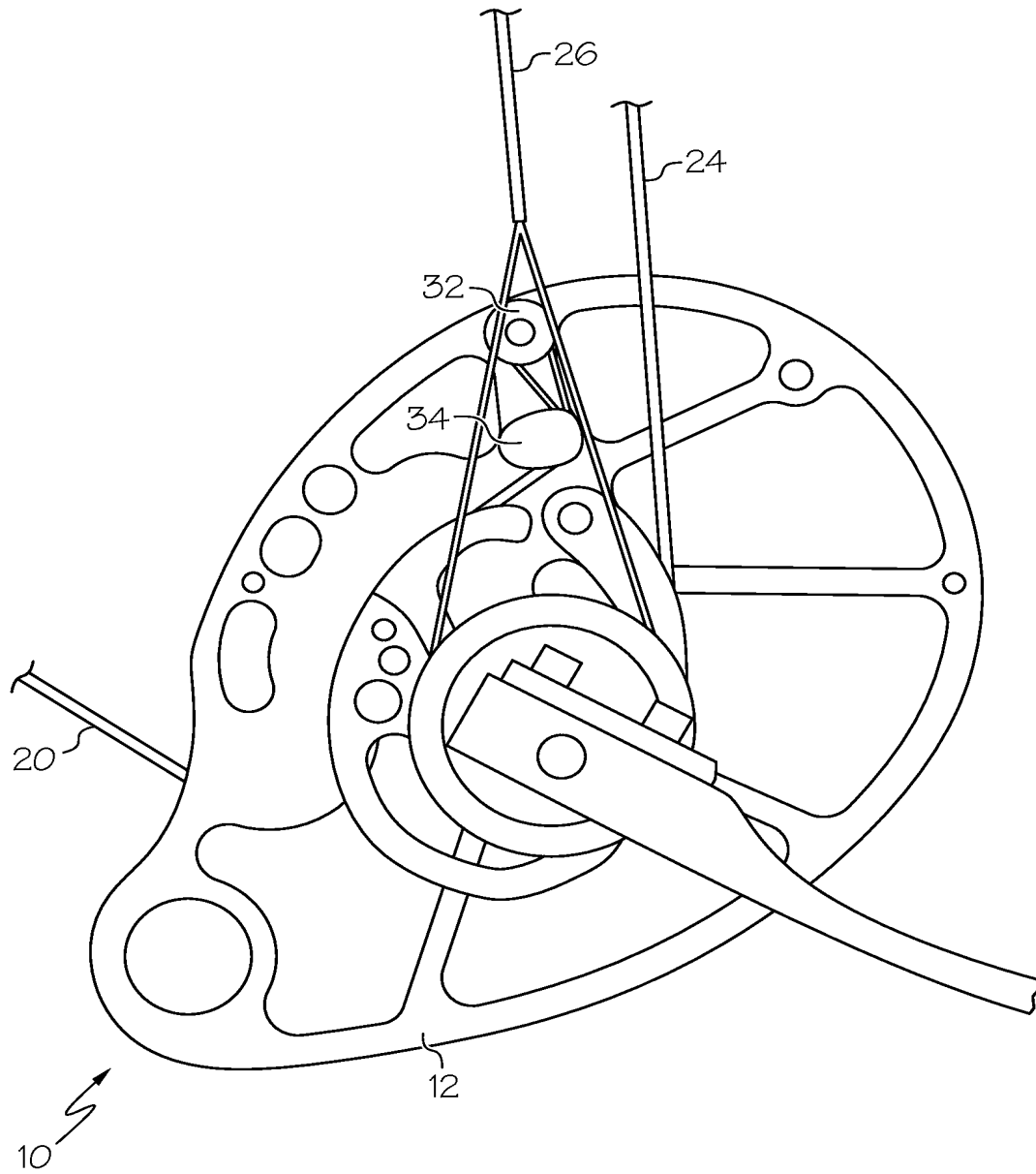


FIG. 5

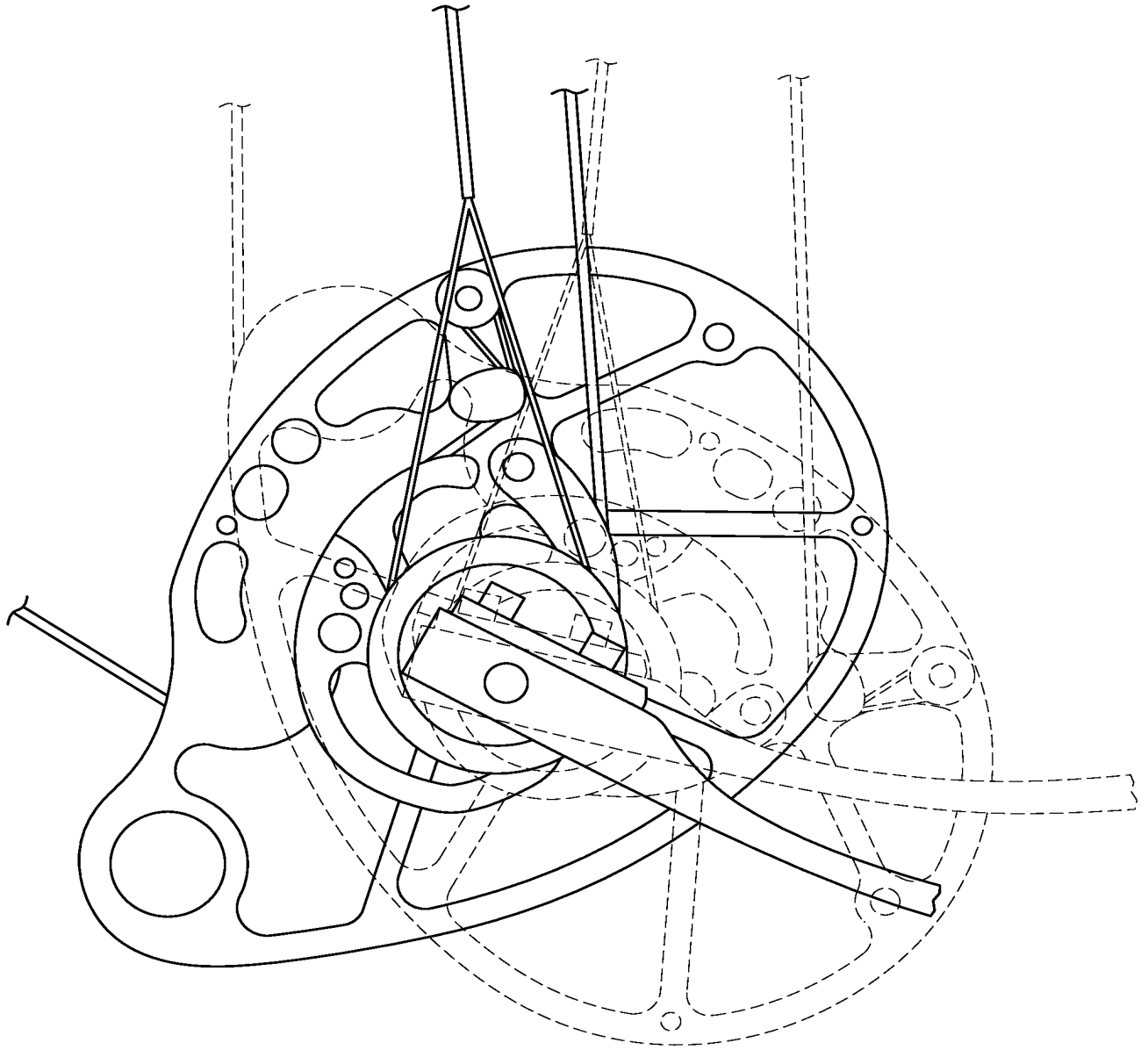


FIG. 6

7 / 7

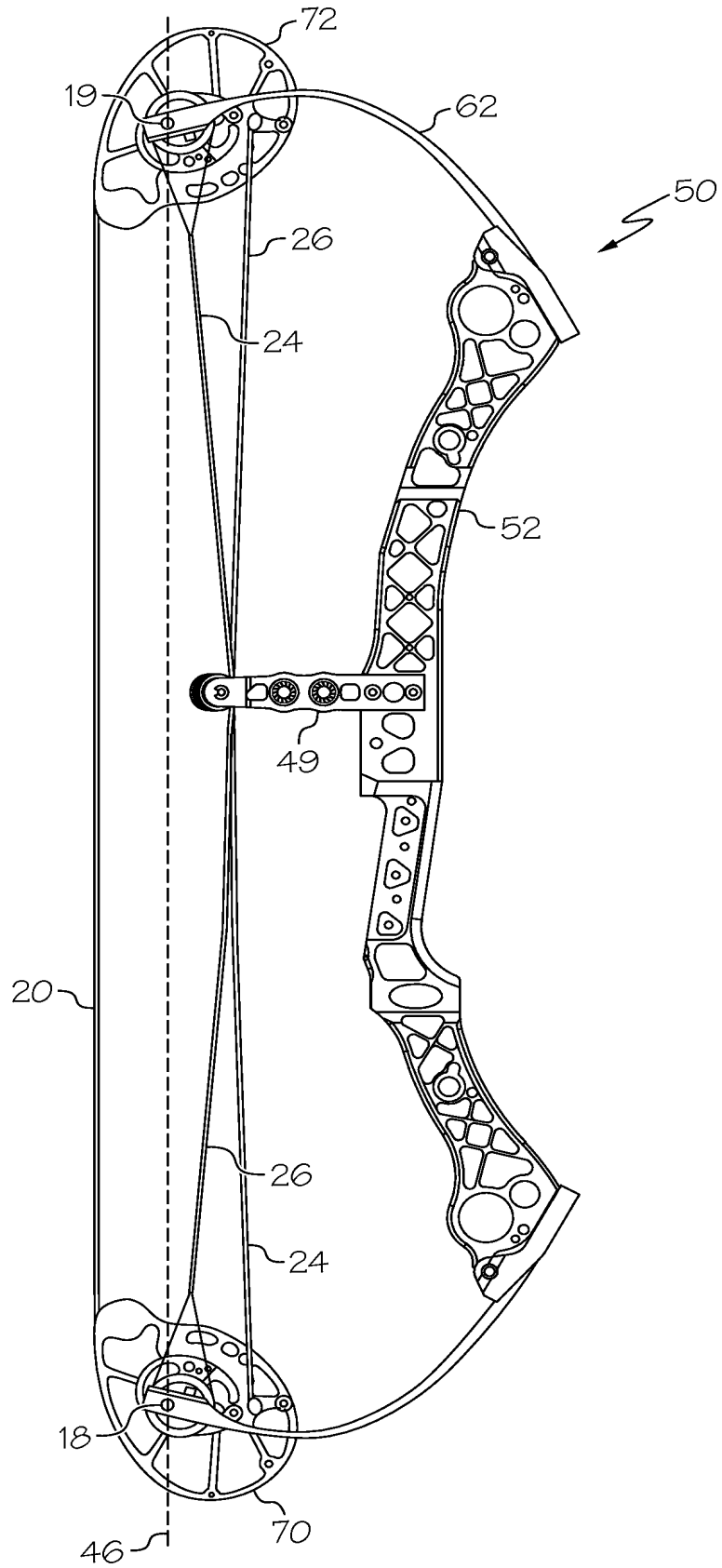


FIG. 7



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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/230,659	03/31/2014	Mathew A. McPherson	M55.2-14675-US03

134862
MCP IP, LLC
919 River Road
Sparta, WI 54656

CONFIRMATION NO. 6106
POA ACCEPTANCE LETTER



Date Mailed: 12/14/2015

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 11/23/2015.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/qtran/



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UNITED STATES DEPARTMENT OF COMMERCE
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www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/230,659	03/31/2014	Mathew A. McPherson	M55.2-14675-US03

CONFIRMATION NO. 6106

POWER OF ATTORNEY NOTICE



OC000000079019719

490
VIDAS, ARRETT & STEINKRAUS, P.A.
Richard A. Arrett
9531 West 78th Street
Suite 400
Eden Prairie, MN 55344

Date Mailed: 12/14/2015

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 11/23/2015.

- The Power of Attorney to you in this application has been revoked by the applicant. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/qtran/

Amendments To The Claims:

1. (Currently amended) An archery bow having a brace condition and a drawn condition, the archery bow comprising:
 - a riser;
 - a first limb and a second limb supported by the riser;
 - a first rotatable member supported by the first limb, the first rotatable member rotatable about [[on]] a first ~~axle~~ axis, a second rotatable member supported by the second limb, the second rotatable member rotatable about [[on]] a second ~~axle~~ axis, the first rotatable member comprising a cam track, a capstan and a terminal;
 - a drawstring extending between the first rotatable member and the second rotatable member;
 - a power cable attached to said terminal and extending toward the second limb, said power cable comprising an elongate straight portion located near said first rotatable member, a capstan portion in contact with said capstan and a terminal portion in contact with said terminal;
 - wherein, in the brace condition, the power cable wraps around the capstan in a ~~first rotational~~ counter-clockwise direction as the power cable is traversed from the elongate straight portion to the terminal portion; and when the bow is drawn from the brace condition, the first rotatable member rotates in a ~~second rotational~~ clockwise direction ~~that is opposite the first rotational direction~~.
2. (Currently amended) The archery bow of claim 1, wherein, in the brace condition, the elongate straight portion defines a plane, wherein said first ~~axle~~ axis and said terminal are located on opposite sides of said plane.
3. (Previously presented) The archery bow of claim 1, wherein, in the drawn condition, the capstan is located closer to the elongate straight portion than the terminal.
4. (Previously presented) The archery bow of claim 1, wherein, in the brace condition, the power cable is not oriented in said cam track.
5. (Currently amended) The archery bow of claim 1, wherein a distance between the first ~~axle~~ axis and the terminal is greater than a distance between the first ~~axle~~ axis and the cam track.
6. (Previously presented) The archery bow of claim 1, wherein at least a portion of said cam track comprises a module that is attached to said first rotatable member.

7. (Previously presented) The archery bow of claim 6, wherein said module is adjustable between a plurality of orientations with respect to said first rotatable member.

8. (Currently amended) The archery bow of claim 7, wherein said plurality of orientations comprises a plurality of rotational orientations about said first ~~axle~~ axis.

9. (Previously presented) The archery bow of claim 6, wherein said module is interchangeable with a second module having a different shape.

10. (Currently amended) The archery bow of claim 1, further comprising a second power cable, said second rotatable member comprising a second cam track, a second capstan and a second terminal, the second power cable attached to said second terminal and extending toward the first limb, said second power cable comprising a second elongate straight portion located near said second rotatable member, a second capstan portion in contact with said second capstan and a second terminal portion in contact with said second terminal;

wherein, in the brace condition, the second power cable wraps around the second capstan in the ~~second rotational~~ clockwise direction as the second power cable is traversed from the second elongate straight portion to the second terminal portion; and when the bow is drawn from the brace condition, the second rotatable member rotates in the ~~first rotational~~ counter-clockwise direction.

11. (Previously presented) The archery bow of claim 10, wherein said second rotatable member comprises a mirror image of said first rotatable member.

12. (Previously presented) An archery bow having a brace condition and a drawn condition, the bow comprising:

a riser;

a first limb and a second limb supported by the riser;

a first rotatable member supported by the first limb on a first axle, a second rotatable member supported by the second limb on a second axle, the first axle and the second axle defining an axle plane, the first rotatable member comprising a cam track, a capstan and a terminal;

a drawstring extending between the first rotatable member and the second rotatable member, the drawstring extending from the first rotatable member at an exit location;

a power cable attached to said terminal and extending toward the second limb, said power cable comprising a capstan portion in contact with said capstan and a terminal portion in contact with said terminal;

wherein, in the brace condition, the axle plane divides the first rotatable member to a first part and a second part, the capstan and the terminal located in the first part, the drawstring exit location located in the second part, and a distance between the terminal and the axle plane is greater than a distance between the capstan and the axle plane.

13. (Previously presented) The archery bow of claim 12, wherein said distance between the terminal and the axle plane is measured orthogonal to said axle plane, and said distance between the capstan and the axle plane is measured orthogonal to said axle plane.

14. (Previously presented) The archery bow of claim 12, wherein, in the brace condition, said power cable comprises an elongate straight portion located near said first rotatable member, the elongate straight portion defines a cable portion plane, said first axle and said terminal are located on opposite sides of said cable portion plane.

15. (Previously presented) The archery bow of claim 12, wherein, in the drawn condition, said power cable comprises an elongate straight portion located near said first rotatable member, the capstan located closer to the elongate straight portion than the terminal.

16. (Previously presented) The archery bow of claim 12, wherein a distance between the first axle and the terminal is greater than a distance between the first axle and the cam track.

17. (Previously presented) The archery bow of claim 12, wherein, in the brace condition, the power cable is not oriented in said cam track.

18. (Previously presented) The archery bow of claim 12, wherein at least a portion of said cam track comprises a module that is attached to said first rotatable member, the module being removable or repositionable.

19. (Previously presented) The archery bow of claim 12, further comprising a second power cable, said second rotatable member comprising a second cam track, a second capstan and a second terminal, the second power cable attached to said second terminal and extending toward the first limb, said second power cable comprising a second capstan portion in contact with said second capstan and a second terminal portion in contact with said second terminal, the drawstring extending from the second rotatable member at a second exit location;

wherein, in the brace condition, the axle plane divides the second rotatable member to a first part and a second part, the second capstan and the second terminal located in the first part, the second drawstring exit location located in the second part, and a distance between the second terminal and the axle plane is greater than a distance between the second capstan and the axle plane.

20. (Previously presented) The archery bow of claim 19, wherein said second rotatable member comprises a mirror image of said first rotatable member.

Claims:

1. An archery bow having a brace condition and a drawn condition, the archery bow comprising:
 - a riser;
 - 5 a first limb and a second limb supported by the riser;
 - a first rotatable member supported by the first limb on a first axle, a second rotatable member supported by the second limb on a second axle, the first rotatable member comprising a cam track, a capstan and a terminal;
 - a drawstring extending between the first rotatable member and the second
 - 10 rotatable member;
 - a power cable attached to said terminal and extending toward the second limb, said power cable comprising an elongate straight portion located near said first rotatable member, a capstan portion in contact with said capstan and a terminal portion in contact with said terminal;
 - 15 wherein, in the brace condition, the power cable wraps around the capstan in a first rotational direction as the power cable is traversed from the elongate straight portion to the terminal portion; and when the bow is drawn from the brace condition, the first rotatable member rotates in a second rotational direction that is opposite the first rotational direction.
- 20 2. The archery bow of claim 1, wherein, in the brace condition, the elongate straight portion defines a plane, wherein said first axle and said terminal are located on opposite sides of said plane.
3. The archery bow of claim 1, wherein, in the drawn condition, the capstan is located closer to the elongate straight portion than the terminal.
- 25 4. The archery bow of claim 1, wherein, in the brace condition, the power cable is not oriented in said cam track.
5. The archery bow of claim 1, wherein a distance between the first axle and the terminal is greater than a distance between the first axle and the cam track.
6. The archery bow of claim 1, wherein at least a portion of said cam track
- 30 comprises a module that is attached to said first rotatable member.
7. The archery bow of claim 6, wherein said module is adjustable between a plurality of orientations with respect to said first rotatable member.

8. The archery bow of claim 7, wherein said plurality of orientations comprises a plurality of rotational orientations about said first axle.

9. The archery bow of claim 6, wherein said module is interchangeable with a second module having a different shape.

5 10. The archery bow of claim 1, further comprising a second power cable, said second rotatable member comprising a second cam track, a second capstan and a second terminal, the second power cable attached to said second terminal and extending toward the first limb, said second power cable comprising a second elongate straight portion located near said second rotatable member, a second capstan portion in contact with said
10 second capstan and a second terminal portion in contact with said second terminal;

wherein, in the brace condition, the second power cable wraps around the second capstan in the second rotational direction as the second power cable is traversed from the second elongate straight portion to the second terminal portion; and when the bow is drawn from the brace condition, the second rotatable member rotates in the first
15 rotational direction.

11. The archery bow of claim 10, wherein said second rotatable member comprises a mirror image of said first rotatable member.

12. An archery bow having a brace condition and a drawn condition, the bow comprising:
20 a riser;
a first limb and a second limb supported by the riser;
a first rotatable member supported by the first limb on a first axle, a second rotatable member supported by the second limb on a second axle, the first axle and the second axle defining an axle plane, the first rotatable member comprising a cam track, a
25 capstan and a terminal;

a drawstring extending between the first rotatable member and the second rotatable member, the drawstring extending from the first rotatable member at an exit location;

a power cable attached to said terminal and extending toward the second limb,
30 said power cable comprising a capstan portion in contact with said capstan and a terminal portion in contact with said terminal;

wherein, in the brace condition, the axle plane divides the first rotatable member

to a first part and a second part, the capstan and the terminal located in the first part, the drawstring exit location located in the second part, and a distance between the terminal and the axle plane is greater than a distance between the capstan and the axle plane.

13. The archery bow of claim 12, wherein said distance between the terminal and the
5 axle plane is measured orthogonal to said axle plane, and said distance between the capstan and the axle plane is measured orthogonal to said axle plane.

14. The archery bow of claim 12, wherein, in the brace condition, said power cable comprises an elongate straight portion located near said first rotatable member, the elongate straight portion defines a cable portion plane, said first axle and said terminal
10 are located on opposite sides of said cable portion plane.

15. The archery bow of claim 12, wherein, in the drawn condition, said power cable comprises an elongate straight portion located near said first rotatable member, the capstan located closer to the elongate straight portion than the terminal.

16. The archery bow of claim 12, wherein a distance between the first axle and the
15 terminal is greater than a distance between the first axle and the cam track.

17. The archery bow of claim 12, wherein, in the brace condition, the power cable is not oriented in said cam track.

18. The archery bow of claim 12, wherein at least a portion of said cam track comprises a module that is attached to said first rotatable member, the module being
20 removable or repositionable.

19. The archery bow of claim 12, further comprising a second power cable, said second rotatable member comprising a second cam track, a second capstan and a second terminal, the second power cable attached to said second terminal and extending toward the first limb, said second power cable comprising a second capstan portion in contact
25 with said second capstan and a second terminal portion in contact with said second terminal, the drawstring extending from the second rotatable member at a second exit location;

wherein, in the brace condition, the axle plane divides the second rotatable member to a first part and a second part, the second capstan and the second terminal
30 located in the first part, the second drawstring exit location located in the second part, and a distance between the second terminal and the axle plane is greater than a distance between the second capstan and the axle plane.

20. The archery bow of claim 19, wherein said second rotatable member comprises a mirror image of said first rotatable member.



UNITED STATES PATENT AND TRADEMARK OFFICE

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BIB DATA SHEET

CONFIRMATION NO. 6106

SERIAL NUMBER 14/230,659	FILING or 371(c) DATE 03/31/2014 RULE	CLASS 124	GROUP ART UNIT 3711	ATTORNEY DOCKET NO. M55.2-14675-US03	
APPLICANTS MCP IP, LLC, Sparta, WI; INVENTORS Mathew A. McPherson, Norwalk, WI; ** CONTINUING DATA ***** This application is a CON of 12/895,610 09/30/2010 PAT 8683989 which claims benefit of 61/247,473 09/30/2009 ** FOREIGN APPLICATIONS ***** ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED *** SMALL ENTITY ** 04/22/2014					
Foreign Priority claimed ☐ Yes ☒ No 35 USC 119(a-d) conditions met ☐ Yes ☒ No Verified and Acknowledged 08/18/ 2015 / Examiner's Signature	☐ Met after Allowance /JS/ Initials	STATE OR COUNTRY WI	SHEETS DRAWINGS 7	TOTAL CLAIMS 20	INDEPENDENT CLAIMS 2
ADDRESS VIDAS, ARRETT & STEINKRAUS, P.A. Richard A. Arrett 9531 West 78th Street Suite 400 Eden Prairie, MN 55344 UNITED STATES					
TITLE ARCHERY BOW CAM					
FILING FEE RECEIVED 800	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit		

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Mathew A. McPherson
Application No.:	14/230659
Filed:	March 31, 2014
For:	Archery Bow Cam
Group Art Unit:	3711

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

Docket No.: M55.2N-14675-US03

**CONSTRUCTIVE PETITION FOR EXTENSION OF TIME AND FEE
AUTHORIZATION PURSUANT TO 37 C.F.R. §1.136(a)(3)**

Applicant hereby requests that the United States Patent and Trademark Office treat any concurrent or future reply requiring a petition for an extension of time pursuant to §1.136 for its timely submission as incorporating therein a petition for an extension of time for the appropriate length of time. If a petition for extension of time is required to establish copendency with any application claiming priority to this application, Applicant requests that this be considered such a petition.

Applicant authorizes the Commissioner of Patents and Trademarks to charge all required extension of time fees that have not otherwise been paid to Deposit Account No. 506845. This authorization remains in force only as long as the Power of Attorney to Customer Number 134862 remains in force.

Respectfully submitted,

MCP IP, LLC

Date: November 23, 2015

By: /Jeremy G Laabs/
Jeremy G. Laabs
Registration No.: 53170

919 River Rd
Sparta, WI 54656
Tel: (608) 269-2728 x405
Fax: (608) 366-3219

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Mathew A. McPherson
Application No.:	Not Assigned
Filed:	Not Assigned
For:	Archery Bow Cam
Group Art Unit:	Not Assigned

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

Docket No.: M55.2N-14675-US03

**CONSTRUCTIVE PETITION FOR EXTENSION OF TIME AND FEE
AUTHORIZATION PURSUANT TO 37 C.F.R. §1.136(a)(3)**

Applicant hereby requests that the United States Patent and Trademark Office treat any concurrent or future reply requiring a petition for an extension of time pursuant to §1.136 for its timely submission as incorporating therein a petition for an extension of time for the appropriate length of time. If a petition for extension of time is required to establish copendency with any application claiming priority to this application, Applicant requests that this be considered such a petition.

Applicant authorizes the Commissioner of Patents and Trademarks to charge all required extension of time fees that have not otherwise been paid to Deposit Account No. 22-0350. This authorization remains in force only as long as the Power of Attorney to Customer Number 00490 remains in force.

Respectfully submitted,

VIDAS, ARRETT & STEINKRAUS

Date: March 31, 2014

By: /Jeremy G Laabs/
Jeremy G. Laabs
Registration No.: 53170

6640 Shady Oak Rd., Suite 400
Eden Prairie, MN 55344-7834
Telephone: (952) 563-3000
Facsimile: (952) 563-3001

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STATEMENT UNDER 37 CFR 3.73(c)Applicant/Patent Owner: MCP IP, LLCApplication No./Patent No.: 14/230659Filed/Issue Date: March 31, 2014Titled: Archery Bow CamMCP IP, LLC, a limited liability corporation

(Name of Assignee)

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

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

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

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

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

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

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

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

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 028115, Frame 0373, or for which a copy thereof is attached.
- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:
1. From: _____ To: _____
- The document was recorded in the United States Patent and Trademark Office at
- Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
- The document was recorded in the United States Patent and Trademark Office at
- Reel _____, Frame _____, or for which a copy thereof is attached.

[Page 1 of 2]

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**

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

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STATEMENT UNDER 37 CFR 3.73(c)

3. From: _____ To: _____

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4. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.☐ Additional documents in the chain of title are listed on a supplemental sheet(s).☒ As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Jeremy G Laabs/

Signature

Jeremy G Laabs

Printed or Typed Name

November 23, 2015

Date

53170

Title or Registration Number

[Page 2 of 2]

Privacy Act Statement

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

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

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

STATEMENT UNDER 37 CFR 3.73(c)Applicant/Patent Owner: MCP IP, LLC

Application No./Patent No.: _____ Filed/Issue Date: _____

Titled: ARCHERY BOW CAMMCP IP, LLC, a limited liability corporation

(Name of Assignee)

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

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

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

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- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____

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Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

[Page 1 of 2]

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STATEMENT UNDER 37 CFR 3.73(c)

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4. From: _____ To: _____

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Reel _____, Frame _____, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.☐ Additional documents in the chain of title are listed on a supplemental sheet(s).☒ As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Jeremy G Laabs/

Signature

Jeremy G. Laabs

Printed or Typed Name

2014-03-31

Date

53170

Title or Registration Number

[Page 2 of 2]

Privacy Act Statement

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

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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.
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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.

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	M55.2-14675-US03
		Application Number	
Title of Invention	ARCHERY BOW CAM		
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	
	Mathew		A.		McPherson			
Residence Information (Select One)								
☒ US Residency							☐ Non US Residency	☐ Active US Military Service
City	Norwalk		State/Province	WI	Country of Residence i	US		
Mailing Address of Inventor:								
Address 1		19055 Incline Road, Route 2, PO Box 58						
Address 2								
City	Norwalk			State/Province	WI			
Postal Code	54648			Country i	US			
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.							Add	

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).			
☐ An Address is being provided for the correspondence Information of this application.			
Customer Number	00490		
Email Address	mail@vaslaw.com	Add Email	Remove Email

Application Information:

Title of the Invention	ARCHERY BOW CAM		
Attorney Docket Number	M55.2-14675-US03	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	7	Suggested Figure for Publication (if any)	

Filing By Reference :

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	M55.2-14675-US03
		Application Number	
Title of Invention	ARCHERY BOW CAM		

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

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

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

Publication Information:

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

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

Representative Information:

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

Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	00490		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this 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 blank.

Prior Application Status	Pending	Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Continuation of	12/895610	2010-09-30
Prior Application Status	Expired	Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
12/895610	Claims benefit of provisional	61/247473	2009-09-30

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.

[Add](#)
IPR2024-00523

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	M55.2-14675-US03
		Application Number	
Title of Invention	ARCHERY BOW CAM		

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(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).

Remove			
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.			Add

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013. NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Authorization to Permit Access:

☐ Authorization to Permit Access to the Instant Application by the Participating Offices

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	M55.2-14675-US03
		Application Number	
Title of Invention	ARCHERY BOW CAM		

If 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 World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing this Authorization.

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			Remove
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.			
Clear			
☒ 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	MCP IP, LLC		
Mailing Address Information:			
Address 1	919 River Road, P.O. Box 367		
Address 2			
City	Sparta	State/Province	WI
Country ⁱ	US	Postal Code	54656
Phone Number		Fax Number	

IPR2024-00523

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	M55.2-14675-US03
		Application Number	
Title of Invention	ARCHERY BOW CAM		
Email Address			
Additional Applicant Data may be generated within this form by selecting the Add button.			Add

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.			
Assignee 1			
Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.			
			Remove
If the Assignee or Non-Applicant Assignee is an Organization check here.			☒
Organization Name	MCP IP, LLC		
Mailing Address Information For Assignee including Non-Applicant Assignee:			
Address 1	919 River Road, P.O. Box 367		
Address 2			
City	Sparta	State/Province	WI
Country i	US	Postal Code	54656
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:

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications					
Signature	/Jeremy G Laabs/		Date (YYYY-MM-DD)	2014-03-31	
First Name	Jeremy	Last Name	Laabs	Registration Number	53170
Additional Signature may be generated within this form by selecting the Add button.				Add	

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	M55.2-14675-US03
		Application Number	
Title of Invention	ARCHERY BOW CAM		

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.

Remarks

This Amendment is in response to the Office Action dated **August 21, 2015**. Claims 1-20 are pending in the application. The Office Action rejected claims 1-20 on the ground of nonstatutory double patenting.

By this Amendment, claims 1, 2, 5, 8 and 10 are amended for clarification purposes only. A terminal disclaimer is submitted herewith to obviate the double patenting rejections. Reconsideration in view of the above amendments and following remarks is requested.

Double Patenting

The Office Action rejected claims 1-20 on the ground of nonstatutory double patenting over claims of US Patent 8683989.

Without acquiescing to the validity of the double patenting rejections, a Terminal Disclaimer is submitted herewith. The Terminal Disclaimer obviates the double patent rejections, and Applicant requests withdrawal of same.

Conclusion

Favorable consideration and prompt allowance of claims 1-20 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in better condition for allowance, the Examiner is invited to contact Applicants' undersigned representative at the telephone number listed below.

Respectfully submitted,

MCP IP, LLC

Date: November 23, 2015

By: /Jeremy G Laabs/
Jeremy G. Laabs
Registration No.: 53170

919 River Rd
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Tel: (608) 269-2728 x405
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Mathew A. McPherson
Application No.:	14/230659
Filed:	March 31, 2014
For:	Archery Bow Cam
Examiner:	John Elliott Simms, Jr.
Group Art Unit:	3711

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

Docket No.: M55.2P-14675-US03

AMENDMENT

This Amendment is in response to the Office Action dated **August 21, 2015**.

If an extension of time is required to make this response timely and no separate petition is enclosed, Applicant hereby petitions for an extension of time sufficient to make the response timely. In the event that this response requires the payment of government fees and payment is not enclosed, please charge Deposit Account No. 506845.

Please amend the application as follows:

Archery Bow Cam

ABSTRACT OF THE DISCLOSURE

In at least one embodiment, an archery bow includes a rotatable member
5 comprising a cam track, a capstan and a terminal. A drawstring extends from the first
rotatable member. A power cable is attached to the terminal and extends away from the
rotatable member. The power cable comprises an elongate straight portion located near
the rotatable member, a capstan portion in contact with said capstan and a terminal
portion in contact with said terminal. In a brace condition, the power cable wraps
10 around the capstan in a first rotational direction as the power cable is traversed from the
elongate straight portion to the terminal portion. When the bow is drawn from the brace
condition, the rotatable member rotates in a second rotational direction that is opposite
the first rotational direction.