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U.S. PATENT APPLICATION
for
TOOL ATTACHMENT SYSTEM

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TOOL ATTACHMENT SYSTEM

CROSS-REFERENCE TO RELATED PATENT APPLICATIONS

[0001] The present application is a continuation of U.S. Patent Application No. 18/311,059, filed May 2, 2023, which is a continuation of U.S. Patent Application No. 17/700,119, filed March 21, 2022, which issued as U.S. Patent No. 11,672,325 on June 13, 2023, which is a continuation of U.S. Patent Application No. 16/800,336, filed February 25, 2020, which issued as U.S. Patent No. 11,304,503 on April 19, 2022, which is a continuation of International Application No. PCT/US2020/017742, filed on February 11, 2020, which claims the benefit of and priority to U.S. Provisional Application 62/804,547, filed on February 12, 2019, which are incorporated herein by reference in their entireties.

BACKGROUND OF THE INVENTION

[0002] The present invention relates generally to the field of tools. The present invention relates specifically to a system for removably attaching items to a belt, such as a tool belt, and/or to a job site location.

SUMMARY OF THE INVENTION

[0003] One embodiment of the invention relates to a tool attachment system. The tool attachment system has a receiver configured to attach to a tool belt and a tool attachment device. The tool attachment device has a locking mechanism and removably couples to the receiver. The locking mechanism locks the tool attachment device to the receiver when the locking mechanism is in a locked position. An actuator is also coupled to the tool attachment device. When a force is applied to the actuator, the actuator causes the locking mechanism to move to an unlocked position, and the force causes the tool attachment device to disengage from the receiver.

[0004] Another embodiment of the invention relates to a tool attachment system. The tool attachment system has a tool attachment device and a receiver. The tool attachment device has comprising a disk and a locking pin. The receiver has a channel, a hole, and an actuator. The

channel engages the disk of the tool attachment device to secure the tool attachment device to the receiver. The hole receives the locking pin and prevents lateral movement of the tool attachment device relative to the receiver. The actuator has a button and a post coupled to the button. The post has an angled surface and a slot that receives the locking pin, such that in a locked position the locking pin passes through the slot to the hole. When the tool attachment device is coupled to the receiver, the locking pin is received in the hole of the receiver and the tool attachment device is locked in the receiver. When a force is applied to the button of the actuator, the angled surface of the post on the actuator generates a force on the locking pin that is transverse to the force on the button and causes the locking pin to move out of the hole of the receiver to an unlocked position.

[0005] Another embodiment of the invention relates to a tool attachment system with a tool attachment device and a receiver. The tool attachment device has a body, a disk, and a locking pin. The body forms an upper wall and is attached to a pouch. The disk extends outwardly from the upper wall. The locking pin extends through the disk. The receiver has a channel, an overhanging flange, and a hole. The channel engages with the disk of the tool attachment device. The overhanging flange captures the disk within the channel. The hole receives the locking pin in a locked position. The actuator has a button and a post. The post has an angled surface and an angled slot that receives the locking pin, such that the locking pin passes through the slot to the hole in the locked position. When the tool attachment device is coupled to the receiver, the locking pin is received in the hole of the receiver and the tool attachment device is locked in the receiver. When a force is applied to the button of the actuator, the angled slot of the post on the actuator generates a force on the locking pin that is transverse to the force on the button and causes the locking pin to move out of the hole of the receiver to an unlocked position.

[0006] Another embodiment of the invention relates to a tool attachment system. The tool attachment system includes a tool attachment device configured to support a pouch or tool holder. The tool attachment system includes a receiver configured to attach to a tool belt. The tool attachment device is removably coupled to the receiver and includes a locking mechanism that locks the tool attachment device to the receiver when the locking mechanism is in the locked position. The tool attachment device includes an actuator, and when force is applied to the

actuator, the actuator causes the locking mechanism to move to an unlocked position, and the force causes the tool attachment device to disengage from the receiver.

[0007] In various embodiments, the tool attachment device includes a disk-shaped coupling element that is received within a channel defined within the receiver. In various embodiments, the tool attachment device is pivotally coupled to the receiver such that the tool attachment device rotates relative to the receiver about an axis perpendicular to a front face of the channel. In various embodiments, the tool attachment system has a low profile having a width measured from the tool belt of less than 1 inch.

[0008] Additional features and advantages will be set forth in the detailed description which follows, and, in part, will be readily apparent to those skilled in the art from the description or recognized by practicing the embodiments as described in the written description and claims hereof, as well as the appended drawings. It is to be understood that both the foregoing general description and the following detailed description are exemplary.

[0009] The accompanying drawings are included to provide a further understanding and are incorporated in and constitute a part of this specification. The drawings illustrate one or more embodiments and together with the description serve to explain principles and operation of the various embodiments.

[0010] Alternative exemplary embodiments relate to other features and combinations of features as may be generally recited in the claims.

BRIEF DESCRIPTION OF THE DRAWINGS

[0011] This application will become more fully understood from the following detailed description, taken in conjunction with the accompanying figures, wherein like reference numerals refer to like elements in which:

[0012] FIG. 1 is a front perspective view of a pouch or tool attachment device, according to an exemplary embodiment.

[0013] FIG. 2 is a perspective view of a receiver to which the tool attachment device of FIG. 1 is removably coupled, according to an exemplary embodiment.

[0014] FIGS. 3A-3D show various perspective views of the tool attachment device of FIG. 1, according to an exemplary embodiment.

[0015] FIG. 4 is a front view of the tool attachment device of FIG. 1, according to an exemplary embodiment.

[0016] FIG. 5 is a detailed rear view of the tool attachment device of FIG. 1, according to an exemplary embodiment.

[0017] FIG. 6 is a cross-sectional view of the tool attachment device of FIG. 1, according to an exemplary embodiment.

[0018] FIG. 7 is a detailed front perspective view of an actuator of the tool attachment device of FIG. 1, according to an exemplary embodiment.

[0019] FIGS. 8A-8D show various perspective views of the receiver of FIG. 2, according to an exemplary embodiment.

[0020] FIG. 9 is a detailed front view of the receiver of FIG. 2, according to an exemplary embodiment.

[0021] FIG. 10 is a detailed perspective cross-sectional view of the receiver of FIG. 2, according to an exemplary embodiment.

DETAILED DESCRIPTION

[0022] Referring generally to the figures, various embodiments of a tool attachment system are shown. In general, the tool attachment system discussed herein includes a tool attachment device/component that is coupled to a pouch, loop, or other tool/item supporting component and a receiver that is coupled to a tool belt (or other structure/device from which a tool pouch may be supported as discussed below). In general, the receiver includes a coupling structure, such as a channel, that removably couples to a corresponding mating structure on attachment device. A locking mechanism is operable via an actuator supported by the tool attachment device to unlock the tool attachment device from the receiver allowing the pouch and the tool attachment device to be released from the receiver.

[0023] In the specific embodiments discussed herein, the actuator is configured and positioned relative to the tool attachment device in a manner such that force applied by the user

to the actuator to release the locking mechanism also causes the tool attachment device to decouple from the receiver. Applicant believes that this arrangement provides a design that will allow the users to conveniently remove tools and other items from the tool belt with a single fluid motion. In the particular design discussed herein, this movement is an upward movement.

[0024] Further, Applicant has found that the design of the tool attachment device and receiver provides for a tool belt attachment system with a relatively low width. This allows the tool/items supported by the pouch to be worn on a tool belt close to the user's body and reduces torque applied to the tool belt and receiver. In addition, in specific embodiments, the tool belt attachment device is rotatably coupled to the receiver allowing the tool belt attachment device to rotate about an axis generally perpendicular to the receiver. Applicant believes that this swiveling action allows for the tool attachment device and associated pouch to swivel such that the pouch remains upright as the user's body position changes.

[0025] Referring to FIG. 1 and FIG. 2, a tool attachment system, including a tool attachment device 10 and a receiver 12, is shown according to an exemplary embodiment. Tool attachment device 10 includes a body 14 that is attached to a holder, loop, pouch, etc., shown as schematically as pouch 16 in FIG. 1. In general, receiver 12 is coupled to a tool belt and tool attachment device 10, and the tool/item supported by pouch 16 is removably coupled to the tool belt via engagement between corresponding coupling structures of receiver 12 and tool attachment device 10. Thus, this allows the user to easily add and remove tools/items to and from a tool belt or other structure to which receiver 12 is attached. In various embodiments, pouch 16 comprises ballistic nylon, leather, or plastic.

[0026] Body 14 includes a shroud 18, and as will be discussed in more detail below, shroud 18 partially surrounds an actuator button to limit inadvertent disengagement from receiver 12. Body 14 also includes an upper wall 20 that extends upward and away from shroud 18. Tool attachment device 10 includes a mating structure, shown as disk 22, that extends outward from upper wall 20. A bag securing mechanism or coupling structure 24 is configured to securely couple pouch 16 to body 14, e.g., under shroud 18 of tool attachment device 10. Upper wall 20 and/or coupling structure 24 are outward faces of tool attachment device 10. For example, upper wall 20 and/or coupling structure 24 face outwardly when pouch 16 is attached to a user's belt.

[0027] In some embodiments, pouch 16 is coupled to body 14. For example, fasteners couple pouch 16 to coupling structure 24 of tool attachment device 10. As another example, coupling structure 24 includes a plurality of attachment points or holes 50 to secure pouch 16 to body 14 and rivets through holes 50 of coupling structure 24 attach pouch 16 to tool attachment device 10 and/or hold portions of housings that make up tool attachment device 10. Coupling structure 24 captures and/or fastens pouch 16 to tool attachment device 10 to securely and interchangeably couple contents of pouch 16 (e.g., tools) to different receivers 12. For example, tool attachment device 10 is coupled to a first receiver 12 on a user's belt and a second receiver 12 at the job site.

[0028] Receiver 12 includes a coupling structure or body 30, shown as channel 32, that is sized to reversibly, non-permanently engage with disk 22. Receiver 12 receives disk 22 and secures disk 22 of tool attachment device 10 within receiver 12. While in the locked position, disk 22 pivots or rotates about a rotational axis 33 of receiver 12. In general, disk 22 is slidably received within channel 32 through a channel entrance opening 34 such that tool attachment device 10 is coupled to receiver 12. A front face 35 of channel 32 is formed on an interior of receiver 12. Body 30 includes an overhanging flange 36 that captures disk 22 within channel 32 and prevents tool attachment device 10 from disengaging from receiver 12 via lateral movement (e.g., movement in a direction other than along the length of channel 32).

[0029] Referring to FIGS. 3A-3D, detailed perspective views of tool attachment device 10 are shown. As shown best in FIGS. 3B and 3C, tool attachment device 10 includes an actuator 40 that includes a button portion 42. In some embodiments, actuator 40 is coupled to tool attachment device 10 to release disk 22 from receiver 12. As shown, the inner surface of shroud 18 defines a hollow chamber 43 within which button portion 42 is received. In this manner, shroud 18 partially surrounds actuator 40 and/or button 42 and protects button 42 from inadvertent contact/actuation and inadvertent disengagement of tool attachment device 10 from receiver 12.

[0030] In a locked position (FIG. 6), tool attachment device 10 is removably coupled to receiver 12 via disk 22 that locks or secures translation of tool attachment device 10 relative to receiver 12. In some embodiments, disk 22 rotates within receiver 12 to removably and pivotally

couple tool attachment device 10 to receiver 12. For example, pouch 16 can rotate and/or swivel about receiver 12 attached to the belt of a user to remain upright when the user bends over. When the user applies a force to actuator 40, disk 22 moves to an unlocked position (FIGS. 1 and 2). The force on actuator 40 causes tool attachment device 10 to disengage from receiver 12. Thus, a user can press button 42 to release both the locking mechanism 45 (e.g., move locking pin 60) and remove tool attachment device 10 from receiver 12.

[0031] Referring to FIG. 4, body 14 of tool attachment device 10 includes a plurality of attachment points, shown as holes 50, that can be used to couple pouch 16 or other containers to tool attachment device 10. Further, shroud 18 protrudes a short distance away from the front face of tool attachment device 10, which allows for the user to access button portion 42 when pouch 16 is attached to body 14 via holes 50.

[0032] Referring to FIG. 5 and FIG. 6, tool attachment device 10 includes a locking mechanism 45 that retains tool attachment device 10 to receiver 12 until button 42 of actuator 40 is pressed. In the specific embodiment shown, locking mechanism 45 of tool attachment device 10 includes a locking pin 60 that extends through a pinhole 62 through disk 22. In some embodiments, both disk 22 and locking pin 60 are configured to be received in channel 32 defined within receiver 12. In the locked position shown in FIG. 6, the outer end 64 of locking pin 60 extends out of pinhole 62 past the rear face of disk 22 and then is received within a pinhole 70 in receiver 12 (see FIG. 9). The engagement between pin 60 and pinhole 70 in receiver 12 locks tool attachment mechanism 10 to receiver 12 to prevent lateral movement of tool attachment device 10 relative to receiver 12.

[0033] As shown in FIG. 6 and FIG. 7, actuator 40 includes a post 44 that extends upward from button 42. Post 44 includes an angled surface 46 and a pin slot 48. For example, angled surface 46 surrounds pin slot 48 to form an angled pin slot 48. Pin slot 48 receives the inner end of pin 60, and angled surface 46 engages with a portion of pin 60 to move pin 60 between locked and unlocked positions

[0034] To move tool attachment device 10 from the locked position of FIG. 6 to the unlocked position in which tool attachment device 10 can be disengaged from receiver 12, an upward (in the orientation of FIG. 6) force is applied to button 42. This upward force causes

upward movement of actuator post 44, and the interaction between angled surface 46 and inner pin end 66 draws pin 60 to the left in the orientation of FIG. 6 and into pinhole 62. When pin 60 is within pinhole 62, it is no longer within pinhole 70 of receiver 12 and thus, pin 60 is no longer in position to prevent tool attachment device 10 from being disengaged from receiver 12 via operation of button 42. This configuration allows the user to continue to provide an upward force to tool attachment device 10, causing disk 22 to slide out from receiver 12 and disengage tool attachment device 10 from receiver 12.

[0035] In this configuration, when tool attachment device 10 is coupled to receiver 12, locking pin 60 passes through pinhole 62 of disk 22 and slot 48 of post 44 and is received in pinhole 70 of receiver 12. This configuration locks the translational movement of tool attachment device 10 in receiver 12. When a user applies a force to button 42, angled surface 46 of slot 48 on post 44 generates a force on locking pin 60 that is transverse to the force on button 42 and causes locking pin 60 to move out of pinhole 60 of receiver 12 and to an unlocked position. Thus, as can be seen, this arrangement allows for both unlocking and removal of tool attachment device 10 from receiver 12 with the same single application of force.

[0036] Referring still to FIG. 6, tool attachment device 10 includes at least two biasing elements to maintain tool attachment device 10 in the locked position until a user actuates button 42. For example, tool attachment device 10 includes both a pin spring 67 and a button spring 68. In general, pin spring 67 biases locking pin 60 into a locked position and button spring 68 biases actuator 40 (e.g., button 42). Pin spring 67 is oriented in the horizontal direction between body 14 and pin 60 to bias pin 60 in the locked position of FIG. 6. Button spring 68 is oriented in the vertical direction between body 14 and actuator post 44 to bias actuator 40 downward to the locked position of FIG. 6. In some embodiments, pin spring 67 and/or button spring 68 are compression springs. In various embodiments, angled surface 48, pin spring 67, and/or button spring 68 cooperate to bias button 42 downward to bias locking mechanism 45 into the locked position of FIG. 6.

[0037] Further, the design discussed herein allows for a removable tool belt pouch 16 while at the same time keeping pouch 16 relatively close to the belt and user's body, improving the

stability and comfort of the tool belt. In various embodiments, the horizontal distance from the tool belt to button 42 is less than 1 inch, more specifically, less than 0.75 inches.

[0038] Referring to FIG. 8A-8D, FIG. 9, and FIG. 10, details of receiver 12 are shown. As noted above, receiver 12 includes a pin receiving hole 70 for receiving pin 60 to providing locking, as discussed above. In some embodiments, receiver 12 includes a pin ramp 76. Pin ramp 76 is an angled surface that pushes locking pin 60 into disk 22 as disk 22 is inserted into channel 32. For example, pin ramp 76 is located in a radial center of disk 22 to depress locking pin 22 at the radial center into disk 22 until pin 60 is aligned with pinhole 70. As disk 22 and locking pin 60 are depressed within channel 32, pin 60 moves within disk 22 as pin ramp 76 slopes towards and approaches face 35. Between pin ramp 76 and pinhole 70, locking pin 60 may be fully inserted within disk 22. Once aligned, locking pin 60 slides into pinhole 70 to lock tool attachment device 10 relative to receiver 12 about a rotational axis 37 of locking pin 60. Pin ramp 76 reduces interference of pin 60 with other structures on receiver 12, for example, fastener holes 74. Using a pin ramp 76, locking pin 60 travels through channel 32 over fastener holes 74 without catching on an edge or other interference with hole 74.

[0039] Receiver 12 includes a belt slot 72 through which a user belt is threaded to attach receiver 12 to the belt. Belt slot 72 is configured to thread a belt or rope through slot 72 and attach receiver 12. The belt can then be attached to the user or a suitable structure, such as a wall, railing, toolbox, or rack. Additional attachment methods such as fasteners, adhesives, hook-loop fasteners, and/or welding may be used to couple receiver 12 to a supporting structure and releasably secure pouch 16 at the desired location. In some embodiments, receiver 12 is constructed within a tool, such as a lift, so that the user can detach pouch 16 from a belt and secure pouch 16 to the tool.

[0040] Receiver 12 also includes fastener holes 74. Fastener holes 74 allow the user to fasten receiver 12 to a structure as desired via a fastener, such as a screw. Holes 74 allow tool attachment system 10 discussed herein to provide from tool/item support locations at a wide variety of locations throughout a job site. Thus, in this manner, tool attachment device 10 and receiver 12 allow a user to attach several pouches 16 for a job onto a tool belt, walk to the job site, then unload some or all of the pouches 16 from the belt. Additional receivers 12 may be

located at the location where work is to be performed, such as on the side of a ladder, on a bucket truck, on a wall, on a railing, on a cart, etc. This allows the user to conveniently transfer pouches 16 supported from the tool belt to the onsite receivers 12 without needing to remove the tool or items from the pouch 16.

[0041] As noted above, tool attachment device 10 and receiver 12 are configured to allow tool attachment device 10 and the attached pouch 16 to swivel or pivot within receiver 12 such that the pouch remains upright as the user moves/changes position preventing the contents of the pouching from being spilled. In general, the circular cross-sectional shape of disk 22 and the shape of channel 32 of receiver 12 and the circular shape of pin 60 and pinhole 70 in receiver 12 allows for the pivoting movement tool attachment device 10 relative to receiver 12. As the user moves, tool attachment device 10 rotates about an axis 33 perpendicular to face 35 of receiver 12, providing the swiveling movement that allows tool attachment device 10 and the associated pouch to remain upright. For example, when tool attachment device 10 is pivotally coupled to receiver 12, tool attachment device 10 and/or pouch 16 rotate relative to receiver 12 about axis 33 that is perpendicular to front face 35 of channel 32 of receiver 12.

[0042] It should be understood that the figures illustrate the exemplary embodiments in detail, and it should be understood that the present application is not limited to the details or methodology set forth in the description or illustrated in the figures. It should also be understood that the terminology is for the purpose of description only and should not be regarded as limiting.

[0043] Further modifications and alternative embodiments of various aspects of the invention will be apparent to those skilled in the art in view of this description. Accordingly, this description is to be construed as illustrative only. The construction and arrangements, shown in the various exemplary embodiments, are illustrative only. Although only a few embodiments have been described in detail in this disclosure, many modifications are possible (e.g., variations in sizes, dimensions, structures, shapes and proportions of the various elements, values of parameters, mounting arrangements, use of materials, colors, orientations, etc.) without materially departing from the novel teachings and advantages of the subject matter described herein. Some elements shown as integrally formed may be constructed of multiple parts or elements, the position of elements may be reversed or otherwise varied, and the nature or number

of discrete elements or positions may be altered or varied. The order or sequence of any process, logical algorithm, or method steps may be varied or re-sequenced according to alternative embodiments. Other substitutions, modifications, changes, and omissions may also be made in the design, operating conditions and arrangement of the various exemplary embodiments without departing from the scope of the present invention.

[0044] For purposes of this disclosure, the term “coupled” means the joining of two components directly or indirectly to one another. Such joining may be stationary in nature or movable in nature. Such joining may be achieved with the two members and any additional intermediate members being integrally formed as a single unitary body with one another or with the two members or the two members and any additional member being attached to one another. Such joining may be permanent in nature or alternatively may be removable or releasable in nature.

[0045] Unless otherwise expressly stated, it is in no way intended that any method set forth herein be construed as requiring that its steps be performed in a specific order. Accordingly, where a method claim does not actually recite an order to be followed by its steps or it is not otherwise specifically stated in the claims or descriptions that the steps are to be limited to a specific order, it is in no way intended that any particular order be inferred. In addition, as used herein the article “a” is intended to include one or more components or elements, and is not intended to be construed as meaning only one.

[0046] While the current application recites particular combinations of features in the claims appended hereto, various embodiments of the invention relate to any combination of any of the features described herein whether or not such combination is currently claimed, and any such combination of features may be claimed in this or future applications. Any of the features, elements, or components of any of the exemplary embodiments discussed above may be used alone or in combination with any of the features, elements, or components of any of the other embodiments discussed above.

[0047] In various exemplary embodiments, the relative dimensions, including angles, lengths, and radii, as shown in the Figures, are to scale. Actual measurements of the Figures will disclose relative dimensions, angles and proportions of the various exemplary embodiments.

Various exemplary embodiments extend to various ranges around the absolute and relative dimensions, angles and proportions that may be determined from the Figures. Various exemplary embodiments include any combination of one or more relative dimensions or angles that may be determined from the Figures. Further, actual dimensions not expressly set out in this description can be determined by using the ratios of dimensions measured in the Figures in combination with the express dimensions set out in this description. In addition, in various embodiments, the present disclosure extends to a variety of ranges (e.g., plus or minus 30%, 20%, or 10%) around any of the absolute or relative dimensions disclosed herein or determinable from the Figures.

WHAT IS CLAIMED IS:

1. A tool attachment system, comprising:
 - a receiver configured to attach to a belt of a user, the receiver comprising a channel and a locking hole;
 - a tool attachment device configured to be releasably coupled to the receiver, the tool attachment device comprising:
 - a body comprising a front surface and a rear surface;
 - a locking mechanism protruding past the rear surface of the body and into the locking hole of the receiver when the locking mechanism is in a locked position; and
 - a disk mating structure protruding outward from the rear surface of the body;wherein the disk mating structure is configured to slidably engage the channel of the receiver;
 - a pouch coupled to the body of the tool attachment device, the pouch configured to support a tool; and
 - an actuator coupled to the tool attachment device;wherein the channel of the receiver is sized to slidably receive the disk mating structure such that the tool attachment device is supported from the receiver;
 - wherein the actuator is configured to move the locking mechanism from the locked position to an unlocked position when a force is applied to the actuator, and wherein, in the unlocked position, the locking mechanism is moved out of the locking hole in the receiver and the tool attachment device is allowed to move relative to the receiver such that the disk mating structure slides upward and out of the channel of the receiver to release the tool attachment device from the receiver.
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2. The tool attachment system of claim 1, wherein the tool attachment device is pivotally coupled to the receiver via the engagement between the disk mating structure and the channel such that the tool attachment device pivots relative to the receiver about an axis that is

perpendicular to a front face of the channel of the receiver when the locking mechanism is in the locked position.

3. The tool attachment system of claim 1, wherein the actuator is located below the disk mating structure and above the pouch.

4. The tool attachment system of claim 3, wherein a lower end of the actuator is located below the disk mating structure and above the pouch.

5. The tool attachment system of claim 1, wherein the actuator moves upward relative to the pouch when the force is applied the actuator to move the locking mechanism to the unlocked position.

6. The tool attachment system of claim 5, wherein the locking mechanism includes a pin protruding outward from the rear surface of the body, wherein the locking hole of the receiver receives the pin when the locking mechanism is in the locked position.

7. The tool attachment system of claim 6, wherein the force applied to the actuator causes both the pin to be drawn out of the locking hole of the receiver and the disk mating structure to slide upward and out of the channel of the receiver to release the tool attachment device from the receiver.

8. The tool attachment system of claim 1, wherein the actuator moves in a direction parallel to the channel when the force is applied to move the actuator to the unlocked position.

9. The tool attachment system of claim 8, wherein the force is an upward force applied to the actuator.

10. The tool attachment system of claim 9, wherein the tool attachment device further comprises a shroud extending from the body, wherein the shroud partially surrounds the actuator.

11. The tool attachment system of claim 10, wherein the tool attachment device further comprises a bag securing mechanism attaching the pouch under the shroud of the tool attachment device.

12. The tool attachment system of claim 1, wherein the pouch is coupled to the tool attachment device through a plurality of attachment points.

13. The tool attachment system of claim 1, wherein the actuator further comprises a button and a post coupled to the button, the post including a slot, wherein the locking mechanism includes a pin protruding outward from the rear surface of the body, wherein, when in the locked position, the pin passes through the slot into the locking hole of the receiver and locks the tool attachment device against translational movement relative to the receiver and wherein, when the force is applied to the actuator, the post generates a force on the pin and causes the pin to move out of the locking hole of the receiver to the unlocked position.

14. The tool attachment system of claim 13, wherein the post further comprises an angled surface, and wherein, when the force is applied to the actuator, the angled surface of the post generates the force on the pin that is transverse to the force on the actuator and causes the pin to move out of the locking hole of the receiver to the unlocked position.

15. The tool attachment system of claim 14, further comprising a pin spring and an actuator spring, wherein the pin spring is oriented between the tool attachment device and the pin to bias the pin into the locked position, and wherein the actuator spring is oriented between the tool attachment device and the post of the actuator to bias the actuator, wherein the locking hole of the receiver is a cylindrical bore having an opening located in the channel of the receiver.

16. A tool attachment system, comprising:
- a receiver configured to attach to a belt of a user, the receiver comprising a channel;
 - a tool attachment device configured to be releasably coupled to the receiver, the tool attachment device comprising:
 - a body;
 - a locking mechanism protruding from the body, the locking mechanism locking the tool attachment device against separation from the receiver when the locking mechanism is in a locked position; and
 - a mating structure protruding outward from the body and configured to slidably engage the channel of the receiver;
 - an actuator coupled to the tool attachment device; and
 - a pouch coupled below the body of the tool attachment device, the pouch configured to support a tool;
- wherein the channel of the receiver is sized to slidably receive the mating structure such that the tool attachment device is supported from the receiver;
- wherein the actuator is configured to move the locking mechanism to an unlocked position when a force is applied to the actuator, and wherein, when the locking mechanism in the unlocked position, the tool attachment device is slidable relative to the receiver such that the mating structure can move upward and out of the channel of the receiver to release the tool attachment device from the receiver;
- wherein a lower end of the actuator is located below the mating structure and above the pouch.

17. The tool attachment system of claim 16, wherein the tool attachment device is pivotally coupled to the receiver via the engagement between the mating structure and the channel such that the tool attachment device pivots relative to the receiver about an axis that is perpendicular to a front face of the channel of the receiver when the locking mechanism is in the locked position.

18. The tool attachment system of claim 17, wherein the mating structure is disk shaped.

19. The tool attachment system of claim 16, wherein the actuator moves upward when the force is applied to move the actuator to the unlocked position.

20. The tool attachment system of claim 16, wherein the locking mechanism includes a pin protruding outward from the body, wherein the receiver includes a hole that receives the pin when the locking mechanism is in the locked position.

ABSTRACT

A tool attachment system is provided. The tool attachment system includes a tool attachment device and a receiver that cooperate to lock or secure, for example, a bag or pouch. When the tool attachment device is coupled to the receiver, a locking mechanism locks the tool attachment device to the receiver in a locked position. To remove the tool attachment device, a user applies a force to a button to cause the tool attachment device to disengage from the receiver.

Application Data Sheet

Application Information

Application Number:	To Be Determined
Application Type:	Nonprovisional
Subject Matter:	Utility
CD-ROM or CD-R:	None
Computer Readable Form (CRF):	No
Title:	Tool Attachment System
Attorney Docket Number:	066749-3961
Request for Early Publication:	No
Request for Non-Publication:	No
Suggested Drawing Figure:	1
Total Drawing Sheets:	8
Small Entity:	No
Petition included:	No
Secrecy Order in Parent Appl.:	No

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State or Province of mailing address: Utah
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Representative Information

Representative Customer Number:	142078	
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Domestic Priority Information

Application:	Continuity Type:	Prior Application No.:	Parent Filing Date:	Prior Application Status:	Patent No.:
This Application	Is a continuation of	18/311,059	May 2, 2023	Pending	N/A
18/311,059	Is a continuation of	17/700,119	March 21, 2022	Patented	11,672,325
17/700,119	Is a continuation of	16/800,336	February 25, 2020	Patented	11,304,503
16/800,336	Is a continuation of	PCT/US2020 /017742	February 11, 2020	Expired	N/A

PCT/US2020 /017742	Claims the benefit under 35 U.S.C. 119(e)	62/804,547	February 12, 2019	Expired	N/A
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Foreign Priority Information

Country:	Application number:	Filing Date:	Priority Claimed:

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

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Authorization or Opt-Out of Authorization to Permit Access:

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

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

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

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

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to

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

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

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

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

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

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

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

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.

Applicant Information

Applicant 1:

☒ Assignee	☐ Legal Representative under 35 U.S.C. 117	☐ Person to whom the inventor is obligated to assign	☐ Person who shows sufficient proprietary interest
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:			
Name of the Deceased or Legally Incapacitated Inventor:			
If the Assignee is an Organization check here ☒			

Organization Name:	Milwaukee Electric Tool Corporation
13135 West Lisbon Road Brookfield, Wisconsin 53005	

Signature:	/James D. Borchardt/		Date:	July 21, 2023
First Name:	James D.	Last Name:	Borchardt	
Registration No.:	62,025			

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Milwaukee Electric Tool Corporation

Title: Tool Attachment System

Prior Appl. No.: 18/311,059

Prior Appl.

Filing Date: May 2, 2023

Examiner: To be determined

Art Unit: To be determined

CONTINUING PATENT APPLICATION
TRANSMITTAL LETTER

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

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is a:

☒ Continuation ☐ Division ☐ Continuation-In-Part (CIP)

of the above-identified copending prior application in which no patenting, abandonment, or termination of proceedings has occurred. Priority to the above-identified prior application is hereby claimed under 35 U.S.C. § 120 for this continuing application. The entire disclosure of the above-identified prior application is considered as being part of the disclosure of the accompanying continuing application and is hereby incorporated by reference therein in its entirety.

Enclosed are:

- ☒ Track 1 Request Form
- ☒ Application Data Sheet (37 CFR 1.76)
- ☒ Cover Page, Description, Claims and Abstract
- ☒ Formal drawings

- ☒ Power of Attorney from Assignee/Applicant
- ☒ Information Disclosure Statement
- ☒ Form PTO/SB/08

The requisite fees are being charged to Deposit Account No. 18-0882.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 18-0882.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date July 21, 2023

By /James D. Borchardt/

Reinhart Boerner Van Deuren s.c.
Customer Number: 142078
Telephone: (414) 298-8160
Facsimile: (414) 298-8097

James D. Borchardt
Attorney for Applicant
Registration No. 62,025

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: July 21, 2023 <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	To be determined
				Filing Date	July 21, 2023
				First Named Inventor	Aaron S. Blumenthal
				Art Unit	To be determined
Examiner Name	To be determined				
Sheet	1	of	4	Attorney Docket Number	066749-3961

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	2,743,894	05-01-1956	Ostnas	
	A2	2,990,987	07-04-1961	Handler et al.	
	A3	4,419,794	12-13-1983	Horton, Jr.; Harold O.	
	A4	4,718,586	01-12-1988	Hagino; Kiyohiko	
	A5	4,721,276	01-26-1988	Moss; Ernest	
	A6	5,014,892	05-14-1991	Copeland; Anthony S.	
	A7	5,054,170	10-08-1991	Otrusina; Edward C.	
	A8	5,163,591	11-17-1992	Leiserson et al.	
	A9	5,201,858	04-13-1993	Otrusina; Edward C.	
	A10	5,319,349	06-07-1994	Smith, III; Frank E.	
	A11	5,597,102	01-28-1997	Saarikko; Anssi	
	A12	5,598,958	02-04-1997	Ryan, III et al.	
	A13	5,622,296	04-22-1997	Pirhonen	
	A14	5,664,292	09-09-1997	Chen; Tonny	
	A15	5,779,115	07-14-1998	Parkas et al.	
	A16	5,850,996	12-22-1998	Liang; Ying-Ping	
	A17	5,983,686	11-16-1999	Lee	
	A18	6,041,444	03-28-2000	McKinney; John	
	A19	6,098,858	08-08-2000	Laugesen	
	A20	6,161,741	12-19-2000	French	
	A21	6,193,546	02-27-2001	Sadler	
	A22	6,279,362	08-28-2001	Lee	
	A23	6,290,534	09-18-2001	Sadler	
	A24	6,439,017	08-27-2002	Lee	
	A25	6,626,336	09-30-2003	Krusell	
	A26	6,669,155	12-30-2003	Ron; Gil	
	A27	6,685,067	02-03-2004	French	
	A28	6,719,178	04-13-2004	Taylor; Robert Lee	
	A29	6,786,372	09-07-2004	Enkerlin; E. Michael	
	A30	6,880,794	04-19-2005	Kahn; Peter P.	

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

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

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: July 21, 2023 <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	To be determined
				Filing Date	July 21, 2023
				First Named Inventor	Aaron S. Blumenthal
				Art Unit	To be determined
Examiner Name	To be determined				
Sheet	2	of	4	Attorney Docket Number	066749-3961

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
	A31	6,955,279	10-18-2005	Mudd; John J.	
	A32	7,686,196	03-30-2010	Panosian et al.	
	A33	7,690,541	04-06-2010	Pellegrini	
	A34	7,699,197	04-20-2010	Panosian et al.	
	A35	8,020,821	09-20-2011	Chen; Dong-Ying	
	A36	8,166,694	05-01-2012	Swan; Johnny E.	
	A37	8,499,986	08-06-2013	Knight	
	A38	8,613,564	12-24-2013	Busch; Christopher	
	A39	8,919,622	12-30-2014	Gabriel et al.	
	A40	8,919,623	12-30-2014	Bergeron; Victor James	
	A41	9,101,198	08-11-2015	Tseng	
	A42	9,657,893	05-23-2017	Buresh, II et al.	
	A43	9,664,480	05-30-2017	Faifer; Sagi	
	A44	9,780,583	10-03-2017	Nobuyasu Furui et al.	
	A45	10,271,634	04-30-2019	Eynav	
	A46	11,047,644	06-29-2021	Shearer; Jacob	
	A47	2003/0047575	03-13-2003	Enkerlin et al.	
	A48	2005/0258204	11-24-2005	Evans et al.	
	A49	2006/0104735	05-18-2006	Zeiler et al.	
	A50	2006/0246963	11-02-2006	Tages	
	A51	2007/0099469	05-03-2007	Sorensen; Joseph	
	A52	2008/0083803	04-10-2008	Connie S. Brantner et al.	
	A53	2009/0095785	04-16-2009	Andre A. Woolery	
	A54	2010/0071168	03-25-2010	Miller; David A.	
	A55	2011/0019081	01-27-2011	Eynav	
	A56	2011/0142436	06-16-2011	Eynav	
	A57	2013/0008933	01-10-2013	Clifford	
	A58	2014/0291362	10-02-2014	Seals Victor	
	A59	2017/0122701	05-04-2017	Lim et al.	
	A60	2017/0235211	08-17-2017	Eynav	
	A61	2018/0331708	11-15-2018	Craig	

Examiner Signature	Date Considered
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: July 21, 2023 <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	To be determined
				Filing Date	July 21, 2023
				First Named Inventor	Aaron S. Blumenthal
				Art Unit	To be determined
Examiner Name	To be determined				
Sheet	3	of	4	Attorney Docket Number	066749-3961

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
	A62	2019/0014893	01-17-2019	Record et al.	
	A63	2020/0253365	08-13-2020	Blumenthal et al.	
	A64	D741,161	10-20-2015	Buresh, II et al.	

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Application Document	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Serial Number-Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	A65	CN103703651	04-02-2014	Makita		
	A66	DE102010046583	05-05-2011	SPIELBERGER		
	A67	DE3027550	03-11-1982	RICHARD KROPAC LEDERWARENFABRI		
	A68	DE7810070	07-20-1978	CARL HEPTING & CO, LEDERWAREN- UNO GUERTELFABRIK		
	A69	DE8810011	09-22-1988	ALBRECHT KIND GMBH & CO		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A70	International Search Report and Written Opinion for International Application No. PCT/US2020/017742, dated June 16, 2020, 13 pages.	

Examiner Signature	Date Considered
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: July 21, 2023 <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	To be determined
				Filing Date	July 21, 2023
				First Named Inventor	Aaron S. Blumenthal
				Art Unit	To be determined
Examiner Name	To be determined				
Sheet	4	of	4	Attorney Docket Number	066749-3961

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A71	Spider Holster SpiderPro Dual Camera System (DCS), Amazon.com, https://www.amazon.com/exec/obidos/ASIN/B004TGP0DS/ezvid02-20 , believed to be commercially available as early as May 2011, 12 pages.	

Examiner Signature		Date Considered	
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If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/356,881

RECEIPT DATE / TIME
07/21/2023 05:06:09 PM ET

ATTORNEY DOCKET #
066749-3961

Title of Invention

Tool Attachment System

Application Information

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

PATENT # -

CONFIRMATION # 8434

FILED BY Andrea Dietzel

PATENT CENTER # 62483842

FILING DATE -

CUSTOMER # 142078

FIRST NAMED
INVENTOR Aaron S. Blumenthal

CORRESPONDENCE
ADDRESS -

AUTHORIZED BY James Borchardt

Documents

TOTAL DOCUMENTS: 9

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
066749-3961_App_Transmittal.pdf	2	Transmittal of New Application	86 KB
066749-3961_IDS_Transmittal.pdf	2	Transmittal Letter	109 KB
066749-3961_Drawings.pdf	8	Drawings-only black and white line drawings	137 KB
066749-3961_SB08.pdf	4	Information Disclosure Statement (IDS) Form (SB08)	189 KB

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066749-3961_Track_1_Request.pdf	2	Track One Request	136 KB
066749-3961_POA.pdf	2	Power of Attorney	1611 KB
066749-3961_Application-APP.TEXT.docx	19	Application body structured text document	53 KB

Warning: All artifacts (SmartArt, Drawings, Charts, etc) have been replaced with images. Bookmarks were found and have been removed. One or more pages are missing page numbering. Page numbering will be automatically applied after submission.

066749-3961_Application.pdf	19	Auxiliary PDF of Application	139 KB
066749-3961_ADS.pdf	6	Application Data Sheet	125 KB

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Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
066749-3961_App_Transmittal.pdf	B47B39347EF07708DC49BB19EF5EADC0260DC6311081DB0747003D6D5ACCCBF6ADDCFD5012978DDC030C9567330360CDF7DE6E125A846F4A3F521ABE2C39C217
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066749-3961_Drawings.pdf	8544DB8C3674231A2A139AB01FA04E159EC8D21028D6F7F34BEDA8A2FA19475E0C9AFBE689A84CD6433D020A7C095A13FC7874C15E7C9036D14287D4FB924233
066749-3961_SB08.pdf	C7B29143E871F3CA64455F45D69DC7B00D8F467AF28EC1DCF7A848069C5F9056D35BDBAC3FDE5E052A0DF2D66152191114506B1CA9BC4378FB02DB1694C0596C

066749-3961_Track_1_Request.pdf	3E8C82FFAC777D55CB159BC4230BBC28F07DE0D377032D70 FD9B4738547CA0BD28AB73F7227A135A14567AB18A0A625AE 9530EB74C9606E027804661431F2956
066749-3961_POA.pdf	5D30CC6F3F94B1338789358B4147ECC61A81A2AB0E5A58005 1331FEBB83417F4F752B8D8622F66A54A1E5A6404259A9F4FF 98B96D997427D36D293680F684D37
066749-3961_Application-APP.TEXT.docx	20BDED159B61B4A8BB95DC3E2B810202DD586F5F50B1D28C AA1CD7902638407048A3568A6157B9ADB4A153D12053D1AC5 64E6159BD3101C939C6D1289B2B034A
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066749-3961_ADS.pdf	940F6CF432C5CC1BE1957B9BA495F141D628547F947C9003F6 59BB93F114C72DE8DDCB2A6B94CDE88400E3E79AC635044F F1824BDF03BD4E5B0EF19D565841A6

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U.S. PATENT APPLICATION
for
TOOL ATTACHMENT SYSTEM

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TOOL ATTACHMENT SYSTEM

CROSS-REFERENCE TO RELATED PATENT APPLICATIONS

[0001] The present application is a continuation of U.S. Patent Application No. 18/311,059, filed May 2, 2023, which is a continuation of U.S. Patent Application No. 17/700,119, filed March 21, 2022, which issued as U.S. Patent No. 11,672,325 on June 13, 2023, which is a continuation of U.S. Patent Application No. 16/800,336, filed February 25, 2020, which issued as U.S. Patent No. 11,304,503 on April 19, 2022, which is a continuation of International Application No. PCT/US2020/017742, filed on February 11, 2020, which claims the benefit of and priority to U.S. Provisional Application 62/804,547, filed on February 12, 2019, which are incorporated herein by reference in their entireties.

BACKGROUND OF THE INVENTION

[0002] The present invention relates generally to the field of tools. The present invention relates specifically to a system for removably attaching items to a belt, such as a tool belt, and/or to a job site location.

SUMMARY OF THE INVENTION

[0003] One embodiment of the invention relates to a tool attachment system. The tool attachment system has a receiver configured to attach to a tool belt and a tool attachment device. The tool attachment device has a locking mechanism and removably couples to the receiver. The locking mechanism locks the tool attachment device to the receiver when the locking mechanism is in a locked position. An actuator is also coupled to the tool attachment device. When a force is applied to the actuator, the actuator causes the locking mechanism to move to an unlocked position, and the force causes the tool attachment device to disengage from the receiver.

[0004] Another embodiment of the invention relates to a tool attachment system. The tool attachment system has a tool attachment device and a receiver. The tool attachment device has comprising a disk and a locking pin. The receiver has a channel, a hole, and an actuator. The

channel engages the disk of the tool attachment device to secure the tool attachment device to the receiver. The hole receives the locking pin and prevents lateral movement of the tool attachment device relative to the receiver. The actuator has a button and a post coupled to the button. The post has an angled surface and a slot that receives the locking pin, such that in a locked position the locking pin passes through the slot to the hole. When the tool attachment device is coupled to the receiver, the locking pin is received in the hole of the receiver and the tool attachment device is locked in the receiver. When a force is applied to the button of the actuator, the angled surface of the post on the actuator generates a force on the locking pin that is transverse to the force on the button and causes the locking pin to move out of the hole of the receiver to an unlocked position.

[0005] Another embodiment of the invention relates to a tool attachment system with a tool attachment device and a receiver. The tool attachment device has a body, a disk, and a locking pin. The body forms an upper wall and is attached to a pouch. The disk extends outwardly from the upper wall. The locking pin extends through the disk. The receiver has a channel, an overhanging flange, and a hole. The channel engages with the disk of the tool attachment device. The overhanging flange captures the disk within the channel. The hole receives the locking pin in a locked position. The actuator has a button and a post. The post has an angled surface and an angled slot that receives the locking pin, such that the locking pin passes through the slot to the hole in the locked position. When the tool attachment device is coupled to the receiver, the locking pin is received in the hole of the receiver and the tool attachment device is locked in the receiver. When a force is applied to the button of the actuator, the angled slot of the post on the actuator generates a force on the locking pin that is transverse to the force on the button and causes the locking pin to move out of the hole of the receiver to an unlocked position.

[0006] Another embodiment of the invention relates to a tool attachment system. The tool attachment system includes a tool attachment device configured to support a pouch or tool holder. The tool attachment system includes a receiver configured to attach to a tool belt. The tool attachment device is removably coupled to the receiver and includes a locking mechanism that locks the tool attachment device to the receiver when the locking mechanism is in the locked position. The tool attachment device includes an actuator, and when force is applied to the

actuator, the actuator causes the locking mechanism to move to an unlocked position, and the force causes the tool attachment device to disengage from the receiver.

[0007] In various embodiments, the tool attachment device includes a disk-shaped coupling element that is received within a channel defined within the receiver. In various embodiments, the tool attachment device is pivotally coupled to the receiver such that the tool attachment device rotates relative to the receiver about an axis perpendicular to a front face of the channel. In various embodiments, the tool attachment system has a low profile having a width measured from the tool belt of less than 1 inch.

[0008] Additional features and advantages will be set forth in the detailed description which follows, and, in part, will be readily apparent to those skilled in the art from the description or recognized by practicing the embodiments as described in the written description and claims hereof, as well as the appended drawings. It is to be understood that both the foregoing general description and the following detailed description are exemplary.

[0009] The accompanying drawings are included to provide a further understanding and are incorporated in and constitute a part of this specification. The drawings illustrate one or more embodiments and together with the description serve to explain principles and operation of the various embodiments.

[0010] Alternative exemplary embodiments relate to other features and combinations of features as may be generally recited in the claims.

BRIEF DESCRIPTION OF THE DRAWINGS

[0011] This application will become more fully understood from the following detailed description, taken in conjunction with the accompanying figures, wherein like reference numerals refer to like elements in which:

[0012] FIG. 1 is a front perspective view of a pouch or tool attachment device, according to an exemplary embodiment.

[0013] FIG. 2 is a perspective view of a receiver to which the tool attachment device of FIG. 1 is removably coupled, according to an exemplary embodiment.

[0014] FIGS. 3A-3D show various perspective views of the tool attachment device of FIG. 1, according to an exemplary embodiment.

[0015] FIG. 4 is a front view of the tool attachment device of FIG. 1, according to an exemplary embodiment.

[0016] FIG. 5 is a detailed rear view of the tool attachment device of FIG. 1, according to an exemplary embodiment.

[0017] FIG. 6 is a cross-sectional view of the tool attachment device of FIG. 1, according to an exemplary embodiment.

[0018] FIG. 7 is a detailed front perspective view of an actuator of the tool attachment device of FIG. 1, according to an exemplary embodiment.

[0019] FIGS. 8A-8D show various perspective views of the receiver of FIG. 2, according to an exemplary embodiment.

[0020] FIG. 9 is a detailed front view of the receiver of FIG. 2, according to an exemplary embodiment.

[0021] FIG. 10 is a detailed perspective cross-sectional view of the receiver of FIG. 2, according to an exemplary embodiment.

DETAILED DESCRIPTION

[0022] Referring generally to the figures, various embodiments of a tool attachment system are shown. In general, the tool attachment system discussed herein includes a tool attachment device/component that is coupled to a pouch, loop, or other tool/item supporting component and a receiver that is coupled to a tool belt (or other structure/device from which a tool pouch may be supported as discussed below). In general, the receiver includes a coupling structure, such as a channel, that removably couples to a corresponding mating structure on attachment device. A locking mechanism is operable via an actuator supported by the tool attachment device to unlock the tool attachment device from the receiver allowing the pouch and the tool attachment device to be released from the receiver.

[0023] In the specific embodiments discussed herein, the actuator is configured and positioned relative to the tool attachment device in a manner such that force applied by the user

to the actuator to release the locking mechanism also causes the tool attachment device to decouple from the receiver. Applicant believes that this arrangement provides a design that will allow the users to conveniently remove tools and other items from the tool belt with a single fluid motion. In the particular design discussed herein, this movement is an upward movement.

[0024] Further, Applicant has found that the design of the tool attachment device and receiver provides for a tool belt attachment system with a relatively low width. This allows the tool/items supported by the pouch to be worn on a tool belt close to the user's body and reduces torque applied to the tool belt and receiver. In addition, in specific embodiments, the tool belt attachment device is rotatably coupled to the receiver allowing the tool belt attachment device to rotate about an axis generally perpendicular to the receiver. Applicant believes that this swiveling action allows for the tool attachment device and associated pouch to swivel such that the pouch remains upright as the user's body position changes.

[0025] Referring to FIG. 1 and FIG. 2, a tool attachment system, including a tool attachment device 10 and a receiver 12, is shown according to an exemplary embodiment. Tool attachment device 10 includes a body 14 that is attached to a holder, loop, pouch, etc., shown as schematically as pouch 16 in FIG. 1. In general, receiver 12 is coupled to a tool belt and tool attachment device 10, and the tool/item supported by pouch 16 is removably coupled to the tool belt via engagement between corresponding coupling structures of receiver 12 and tool attachment device 10. Thus, this allows the user to easily add and remove tools/items to and from a tool belt or other structure to which receiver 12 is attached. In various embodiments, pouch 16 comprises ballistic nylon, leather, or plastic.

[0026] Body 14 includes a shroud 18, and as will be discussed in more detail below, shroud 18 partially surrounds an actuator button to limit inadvertent disengagement from receiver 12. Body 14 also includes an upper wall 20 that extends upward and away from shroud 18. Tool attachment device 10 includes a mating structure, shown as disk 22, that extends outward from upper wall 20. A bag securing mechanism or coupling structure 24 is configured to securely couple pouch 16 to body 14, e.g., under shroud 18 of tool attachment device 10. Upper wall 20 and/or coupling structure 24 are outward faces of tool attachment device 10. For example, upper wall 20 and/or coupling structure 24 face outwardly when pouch 16 is attached to a user's belt.

[0027] In some embodiments, pouch 16 is coupled to body 14. For example, fasteners couple pouch 16 to coupling structure 24 of tool attachment device 10. As another example, coupling structure 24 includes a plurality of attachment points or holes 50 to secure pouch 16 to body 14 and rivets through holes 50 of coupling structure 24 attach pouch 16 to tool attachment device 10 and/or hold portions of housings that make up tool attachment device 10. Coupling structure 24 captures and/or fastens pouch 16 to tool attachment device 10 to securely and interchangeably couple contents of pouch 16 (e.g., tools) to different receivers 12. For example, tool attachment device 10 is coupled to a first receiver 12 on a user's belt and a second receiver 12 at the job site.

[0028] Receiver 12 includes a coupling structure or body 30, shown as channel 32, that is sized to reversibly, non-permanently engage with disk 22. Receiver 12 receives disk 22 and secures disk 22 of tool attachment device 10 within receiver 12. While in the locked position, disk 22 pivots or rotates about a rotational axis 33 of receiver 12. In general, disk 22 is slidably received within channel 32 through a channel entrance opening 34 such that tool attachment device 10 is coupled to receiver 12. A front face 35 of channel 32 is formed on an interior of receiver 12. Body 30 includes an overhanging flange 36 that captures disk 22 within channel 32 and prevents tool attachment device 10 from disengaging from receiver 12 via lateral movement (e.g., movement in a direction other than along the length of channel 32).

[0029] Referring to FIGS. 3A-3D, detailed perspective views of tool attachment device 10 are shown. As shown best in FIGS. 3B and 3C, tool attachment device 10 includes an actuator 40 that includes a button portion 42. In some embodiments, actuator 40 is coupled to tool attachment device 10 to release disk 22 from receiver 12. As shown, the inner surface of shroud 18 defines a hollow chamber 43 within which button portion 42 is received. In this manner, shroud 18 partially surrounds actuator 40 and/or button 42 and protects button 42 from inadvertent contact/actuation and inadvertent disengagement of tool attachment device 10 from receiver 12.

[0030] In a locked position (FIG. 6), tool attachment device 10 is removably coupled to receiver 12 via disk 22 that locks or secures translation of tool attachment device 10 relative to receiver 12. In some embodiments, disk 22 rotates within receiver 12 to removably and pivotally

couple tool attachment device 10 to receiver 12. For example, pouch 16 can rotate and/or swivel about receiver 12 attached to the belt of a user to remain upright when the user bends over. When the user applies a force to actuator 40, disk 22 moves to an unlocked position (FIGS. 1 and 2). The force on actuator 40 causes tool attachment device 10 to disengage from receiver 12. Thus, a user can press button 42 to release both the locking mechanism 45 (e.g., move locking pin 60) and remove tool attachment device 10 from receiver 12.

[0031] Referring to FIG. 4, body 14 of tool attachment device 10 includes a plurality of attachment points, shown as holes 50, that can be used to couple pouch 16 or other containers to tool attachment device 10. Further, shroud 18 protrudes a short distance away from the front face of tool attachment device 10, which allows for the user to access button portion 42 when pouch 16 is attached to body 14 via holes 50.

[0032] Referring to FIG. 5 and FIG. 6, tool attachment device 10 includes a locking mechanism 45 that retains tool attachment device 10 to receiver 12 until button 42 of actuator 40 is pressed. In the specific embodiment shown, locking mechanism 45 of tool attachment device 10 includes a locking pin 60 that extends through a pinhole 62 through disk 22. In some embodiments, both disk 22 and locking pin 60 are configured to be received in channel 32 defined within receiver 12. In the locked position shown in FIG. 6, the outer end 64 of locking pin 60 extends out of pinhole 62 past the rear face of disk 22 and then is received within a pinhole 70 in receiver 12 (see FIG. 9). The engagement between pin 60 and pinhole 70 in receiver 12 locks tool attachment mechanism 10 to receiver 12 to prevent lateral movement of tool attachment device 10 relative to receiver 12.

[0033] As shown in FIG. 6 and FIG. 7, actuator 40 includes a post 44 that extends upward from button 42. Post 44 includes an angled surface 46 and a pin slot 48. For example, angled surface 46 surrounds pin slot 48 to form an angled pin slot 48. Pin slot 48 receives the inner end of pin 60, and angled surface 46 engages with a portion of pin 60 to move pin 60 between locked and unlocked positions

[0034] To move tool attachment device 10 from the locked position of FIG. 6 to the unlocked position in which tool attachment device 10 can be disengaged from receiver 12, an upward (in the orientation of FIG. 6) force is applied to button 42. This upward force causes

upward movement of actuator post 44, and the interaction between angled surface 46 and inner pin end 66 draws pin 60 to the left in the orientation of FIG. 6 and into pinhole 62. When pin 60 is within pinhole 62, it is no longer within pinhole 70 of receiver 12 and thus, pin 60 is no longer in position to prevent tool attachment device 10 from being disengaged from receiver 12 via operation of button 42. This configuration allows the user to continue to provide an upward force to tool attachment device 10, causing disk 22 to slide out from receiver 12 and disengage tool attachment device 10 from receiver 12.

[0035] In this configuration, when tool attachment device 10 is coupled to receiver 12, locking pin 60 passes through pinhole 62 of disk 22 and slot 48 of post 44 and is received in pinhole 70 of receiver 12. This configuration locks the translational movement of tool attachment device 10 in receiver 12. When a user applies a force to button 42, angled surface 46 of slot 48 on post 44 generates a force on locking pin 60 that is transverse to the force on button 42 and causes locking pin 60 to move out of pinhole 60 of receiver 12 and to an unlocked position. Thus, as can be seen, this arrangement allows for both unlocking and removal of tool attachment device 10 from receiver 12 with the same single application of force.

[0036] Referring still to FIG. 6, tool attachment device 10 includes at least two biasing elements to maintain tool attachment device 10 in the locked position until a user actuates button 42. For example, tool attachment device 10 includes both a pin spring 67 and a button spring 68. In general, pin spring 67 biases locking pin 60 into a locked position and button spring 68 biases actuator 40 (e.g., button 42). Pin spring 67 is oriented in the horizontal direction between body 14 and pin 60 to bias pin 60 in the locked position of FIG. 6. Button spring 68 is oriented in the vertical direction between body 14 and actuator post 44 to bias actuator 40 downward to the locked position of FIG. 6. In some embodiments, pin spring 67 and/or button spring 68 are compression springs. In various embodiments, angled surface 48, pin spring 67, and/or button spring 68 cooperate to bias button 42 downward to bias locking mechanism 45 into the locked position of FIG. 6.

[0037] Further, the design discussed herein allows for a removable tool belt pouch 16 while at the same time keeping pouch 16 relatively close to the belt and user's body, improving the

stability and comfort of the tool belt. In various embodiments, the horizontal distance from the tool belt to button 42 is less than 1 inch, more specifically, less than 0.75 inches.

[0038] Referring to FIG. 8A-8D, FIG. 9, and FIG. 10, details of receiver 12 are shown. As noted above, receiver 12 includes a pin receiving hole 70 for receiving pin 60 to providing locking, as discussed above. In some embodiments, receiver 12 includes a pin ramp 76. Pin ramp 76 is an angled surface that pushes locking pin 60 into disk 22 as disk 22 is inserted into channel 32. For example, pin ramp 76 is located in a radial center of disk 22 to depress locking pin 22 at the radial center into disk 22 until pin 60 is aligned with pinhole 70. As disk 22 and locking pin 60 are depressed within channel 32, pin 60 moves within disk 22 as pin ramp 76 slopes towards and approaches face 35. Between pin ramp 76 and pinhole 70, locking pin 60 may be fully inserted within disk 22. Once aligned, locking pin 60 slides into pinhole 70 to lock tool attachment device 10 relative to receiver 12 about a rotational axis 37 of locking pin 60. Pin ramp 76 reduces interference of pin 60 with other structures on receiver 12, for example, fastener holes 74. Using a pin ramp 76, locking pin 60 travels through channel 32 over fastener holes 74 without catching on an edge or other interference with hole 74.

[0039] Receiver 12 includes a belt slot 72 through which a user belt is threaded to attach receiver 12 to the belt. Belt slot 72 is configured to thread a belt or rope through slot 72 and attach receiver 12. The belt can then be attached to the user or a suitable structure, such as a wall, railing, toolbox, or rack. Additional attachment methods such as fasteners, adhesives, hook-loop fasteners, and/or welding may be used to couple receiver 12 to a supporting structure and releasably secure pouch 16 at the desired location. In some embodiments, receiver 12 is constructed within a tool, such as a lift, so that the user can detach pouch 16 from a belt and secure pouch 16 to the tool.

[0040] Receiver 12 also includes fastener holes 74. Fastener holes 74 allow the user to fasten receiver 12 to a structure as desired via a fastener, such as a screw. Holes 74 allow tool attachment system 10 discussed herein to provide from tool/item support locations at a wide variety of locations throughout a job site. Thus, in this manner, tool attachment device 10 and receiver 12 allow a user to attach several pouches 16 for a job onto a tool belt, walk to the job site, then unload some or all of the pouches 16 from the belt. Additional receivers 12 may be

located at the location where work is to be performed, such as on the side of a ladder, on a bucket truck, on a wall, on a railing, on a cart, etc. This allows the user to conveniently transfer pouches 16 supported from the tool belt to the onsite receivers 12 without needing to remove the tool or items from the pouch 16.

[0041] As noted above, tool attachment device 10 and receiver 12 are configured to allow tool attachment device 10 and the attached pouch 16 to swivel or pivot within receiver 12 such that the pouch remains upright as the user moves/changes position preventing the contents of the pouching from being spilled. In general, the circular cross-sectional shape of disk 22 and the shape of channel 32 of receiver 12 and the circular shape of pin 60 and pinhole 70 in receiver 12 allows for the pivoting movement tool attachment device 10 relative to receiver 12. As the user moves, tool attachment device 10 rotates about an axis 33 perpendicular to face 35 of receiver 12, providing the swiveling movement that allows tool attachment device 10 and the associated pouch to remain upright. For example, when tool attachment device 10 is pivotally coupled to receiver 12, tool attachment device 10 and/or pouch 16 rotate relative to receiver 12 about axis 33 that is perpendicular to front face 35 of channel 32 of receiver 12.

[0042] It should be understood that the figures illustrate the exemplary embodiments in detail, and it should be understood that the present application is not limited to the details or methodology set forth in the description or illustrated in the figures. It should also be understood that the terminology is for the purpose of description only and should not be regarded as limiting.

[0043] Further modifications and alternative embodiments of various aspects of the invention will be apparent to those skilled in the art in view of this description. Accordingly, this description is to be construed as illustrative only. The construction and arrangements, shown in the various exemplary embodiments, are illustrative only. Although only a few embodiments have been described in detail in this disclosure, many modifications are possible (e.g., variations in sizes, dimensions, structures, shapes and proportions of the various elements, values of parameters, mounting arrangements, use of materials, colors, orientations, etc.) without materially departing from the novel teachings and advantages of the subject matter described herein. Some elements shown as integrally formed may be constructed of multiple parts or elements, the position of elements may be reversed or otherwise varied, and the nature or number

of discrete elements or positions may be altered or varied. The order or sequence of any process, logical algorithm, or method steps may be varied or re-sequenced according to alternative embodiments. Other substitutions, modifications, changes, and omissions may also be made in the design, operating conditions and arrangement of the various exemplary embodiments without departing from the scope of the present invention.

[0044] For purposes of this disclosure, the term “coupled” means the joining of two components directly or indirectly to one another. Such joining may be stationary in nature or movable in nature. Such joining may be achieved with the two members and any additional intermediate members being integrally formed as a single unitary body with one another or with the two members or the two members and any additional member being attached to one another. Such joining may be permanent in nature or alternatively may be removable or releasable in nature.

[0045] Unless otherwise expressly stated, it is in no way intended that any method set forth herein be construed as requiring that its steps be performed in a specific order. Accordingly, where a method claim does not actually recite an order to be followed by its steps or it is not otherwise specifically stated in the claims or descriptions that the steps are to be limited to a specific order, it is in no way intended that any particular order be inferred. In addition, as used herein the article "a" is intended to include one or more components or elements, and is not intended to be construed as meaning only one.

[0046] While the current application recites particular combinations of features in the claims appended hereto, various embodiments of the invention relate to any combination of any of the features described herein whether or not such combination is currently claimed, and any such combination of features may be claimed in this or future applications. Any of the features, elements, or components of any of the exemplary embodiments discussed above may be used alone or in combination with any of the features, elements, or components of any of the other embodiments discussed above.

[0047] In various exemplary embodiments, the relative dimensions, including angles, lengths, and radii, as shown in the Figures, are to scale. Actual measurements of the Figures will disclose relative dimensions, angles and proportions of the various exemplary embodiments.

Various exemplary embodiments extend to various ranges around the absolute and relative dimensions, angles and proportions that may be determined from the Figures. Various exemplary embodiments include any combination of one or more relative dimensions or angles that may be determined from the Figures. Further, actual dimensions not expressly set out in this description can be determined by using the ratios of dimensions measured in the Figures in combination with the express dimensions set out in this description. In addition, in various embodiments, the present disclosure extends to a variety of ranges (e.g., plus or minus 30%, 20%, or 10%) around any of the absolute or relative dimensions disclosed herein or determinable from the Figures.

WHAT IS CLAIMED IS:

1. A tool attachment system, comprising:
 - a receiver configured to attach to a belt of a user, the receiver comprising a channel and a locking hole;
 - a tool attachment device configured to be releasably coupled to the receiver, the tool attachment device comprising:
 - a body comprising a front surface and a rear surface;
 - a locking mechanism protruding past the rear surface of the body and into the locking hole of the receiver when the locking mechanism is in a locked position; and
 - a disk mating structure protruding outward from the rear surface of the body;wherein the disk mating structure is configured to slidably engage the channel of the receiver;
 - a pouch coupled to the body of the tool attachment device, the pouch configured to support a tool; and
 - an actuator coupled to the tool attachment device;wherein the channel of the receiver is sized to slidably receive the disk mating structure such that the tool attachment device is supported from the receiver;
 - wherein the actuator is configured to move the locking mechanism from the locked position to an unlocked position when a force is applied to the actuator, and wherein, in the unlocked position, the locking mechanism is moved out of the locking hole in the receiver and the tool attachment device is allowed to move relative to the receiver such that the disk mating structure slides upward and out of the channel of the receiver to release the tool attachment device from the receiver.
-
2. The tool attachment system of claim 1, wherein the tool attachment device is pivotally coupled to the receiver via the engagement between the disk mating structure and the channel such that the tool attachment device pivots relative to the receiver about an axis that is

perpendicular to a front face of the channel of the receiver when the locking mechanism is in the locked position.

3. The tool attachment system of claim 1, wherein the actuator is located below the disk mating structure and above the pouch.

4. The tool attachment system of claim 3, wherein a lower end of the actuator is located below the disk mating structure and above the pouch.

5. The tool attachment system of claim 1, wherein the actuator moves upward relative to the pouch when the force is applied the actuator to move the locking mechanism to the unlocked position.

6. The tool attachment system of claim 5, wherein the locking mechanism includes a pin protruding outward from the rear surface of the body, wherein the locking hole of the receiver receives the pin when the locking mechanism is in the locked position.

7. The tool attachment system of claim 6, wherein the force applied to the actuator causes both the pin to be drawn out of the locking hole of the receiver and the disk mating structure to slide upward and out of the channel of the receiver to release the tool attachment device from the receiver.

8. The tool attachment system of claim 1, wherein the actuator moves in a direction parallel to the channel when the force is applied to move the actuator to the unlocked position.

9. The tool attachment system of claim 8, wherein the force is an upward force applied to the actuator.

10. The tool attachment system of claim 9, wherein the tool attachment device further comprises a shroud extending from the body, wherein the shroud partially surrounds the actuator.

11. The tool attachment system of claim 10, wherein the tool attachment device further comprises a bag securing mechanism attaching the pouch under the shroud of the tool attachment device.

12. The tool attachment system of claim 1, wherein the pouch is coupled to the tool attachment device through a plurality of attachment points.

13. The tool attachment system of claim 1, wherein the actuator further comprises a button and a post coupled to the button, the post including a slot, wherein the locking mechanism includes a pin protruding outward from the rear surface of the body, wherein, when in the locked position, the pin passes through the slot into the locking hole of the receiver and locks the tool attachment device against translational movement relative to the receiver and wherein, when the force is applied to the actuator, the post generates a force on the pin and causes the pin to move out of the locking hole of the receiver to the unlocked position.

14. The tool attachment system of claim 13, wherein the post further comprises an angled surface, and wherein, when the force is applied to the actuator, the angled surface of the post generates the force on the pin that is transverse to the force on the actuator and causes the pin to move out of the locking hole of the receiver to the unlocked position.

15. The tool attachment system of claim 14, further comprising a pin spring and an actuator spring, wherein the pin spring is oriented between the tool attachment device and the pin to bias the pin into the locked position, and wherein the actuator spring is oriented between the tool attachment device and the post of the actuator to bias the actuator, wherein the locking hole of the receiver is a cylindrical bore having an opening located in the channel of the receiver.

16. A tool attachment system, comprising:
- a receiver configured to attach to a belt of a user, the receiver comprising a channel;
 - a tool attachment device configured to be releasably coupled to the receiver, the tool attachment device comprising:
 - a body;
 - a locking mechanism protruding from the body, the locking mechanism locking the tool attachment device against separation from the receiver when the locking mechanism is in a locked position; and
 - a mating structure protruding outward from the body and configured to slidably engage the channel of the receiver;
 - an actuator coupled to the tool attachment device; and
 - a pouch coupled below the body of the tool attachment device, the pouch configured to support a tool;
- wherein the channel of the receiver is sized to slidably receive the mating structure such that the tool attachment device is supported from the receiver;
- wherein the actuator is configured to move the locking mechanism to an unlocked position when a force is applied to the actuator, and wherein, when the locking mechanism in the unlocked position, the tool attachment device is slidable relative to the receiver such that the mating structure can move upward and out of the channel of the receiver to release the tool attachment device from the receiver;
- wherein a lower end of the actuator is located below the mating structure and above the pouch.

17. The tool attachment system of claim 16, wherein the tool attachment device is pivotally coupled to the receiver via the engagement between the mating structure and the channel such that the tool attachment device pivots relative to the receiver about an axis that is perpendicular to a front face of the channel of the receiver when the locking mechanism is in the locked position.

18. The tool attachment system of claim 17, wherein the mating structure is disk shaped.

19. The tool attachment system of claim 16, wherein the actuator moves upward when the force is applied to move the actuator to the unlocked position.

20. The tool attachment system of claim 16, wherein the locking mechanism includes a pin protruding outward from the body, wherein the receiver includes a hole that receives the pin when the locking mechanism is in the locked position.

ABSTRACT

A tool attachment system is provided. The tool attachment system includes a tool attachment device and a receiver that cooperate to lock or secure, for example, a bag or pouch. When the tool attachment device is coupled to the receiver, a locking mechanism locks the tool attachment device to the receiver in a locked position. To remove the tool attachment device, a user applies a force to a button to cause the tool attachment device to disengage from the receiver.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Milwaukee Electric Tool Corporation

Title: Tool Attachment System

Appl. No.: To Be Determined

Filing Date: July 21, 2023

Examiner: To Be Determined

Art Unit: To Be Determined

Confirmation Number: To Be Determined

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

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

Submitted herewith on Form PTO/SB/08 is a listing of the documents cited by or submitted to the United States Patent & Trademark Office ("USPTO") in parent application Serial No. 18/311,059, filed May 2, 2023. As provided in 37 CFR §1.98(d), copies of documents previously cited in the above-identified patent application are not being provided since they were previously submitted to the USPTO in the above-identified patent application or in a prior related application. Otherwise, copies of each newly cited non-U.S. patent document (if any) and each newly cited non-patent document (if any) are being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR

§1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b)(1), within three (3) months of the filing date of the application.

RELEVANCE OF EACH DOCUMENT

The relevance of the foreign-language document is shown in the figures of the foreign-language documents and/or are described in the English-language abstract submitted in the parent application, where available. An English non-machine translation of the foreign-language document is not readily available. However, the absence of such translation does not relieve the PTO from its duty to consider the submitted foreign language document (37 CFR §1.98 and MPEP §609).

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

Although Applicant believes that no fee is required for this Request, the Commissioner is hereby authorized to charge any additional fees which may be required for this Request to Deposit Account No. 18-0882.

Respectfully submitted,

Date July 21, 2023

By /James D. Borchardt/

Reinhart Boerner Van Deuren s.c.
Customer Number: 142078
Telephone: (414) 298-8160
Facsimile: (414) 298-8097

James D. Borchardt
Attorney for Applicant
Registration No. 62,025

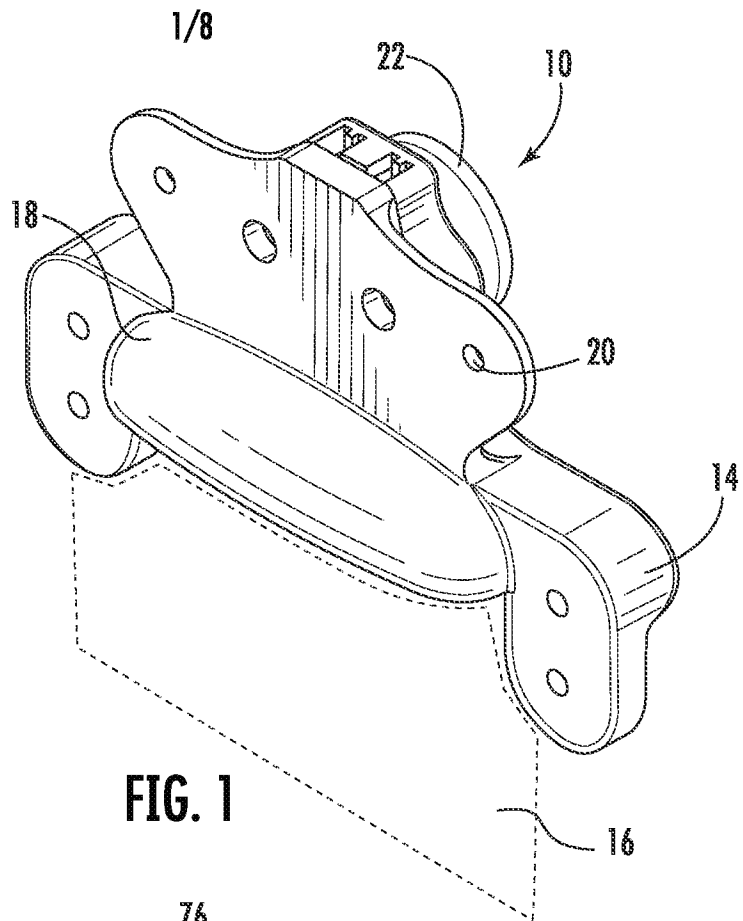


FIG. 1

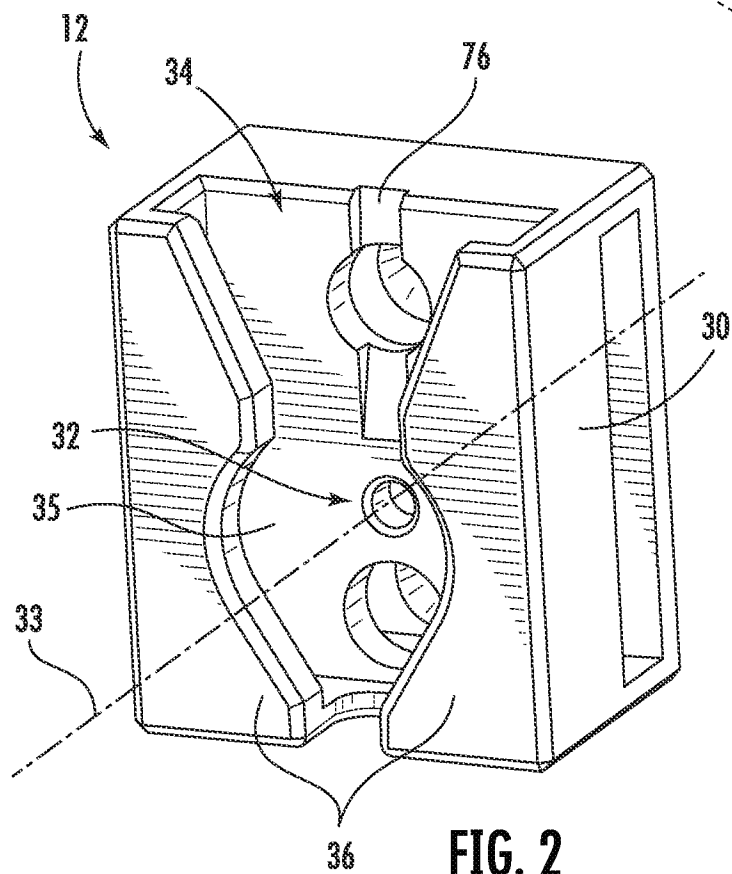


FIG. 2

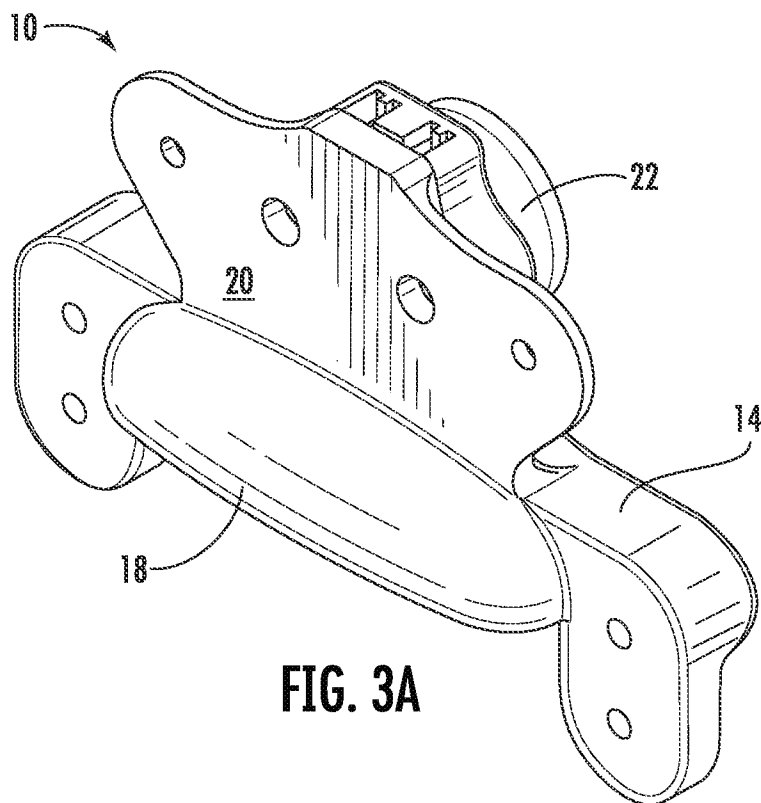


FIG. 3A

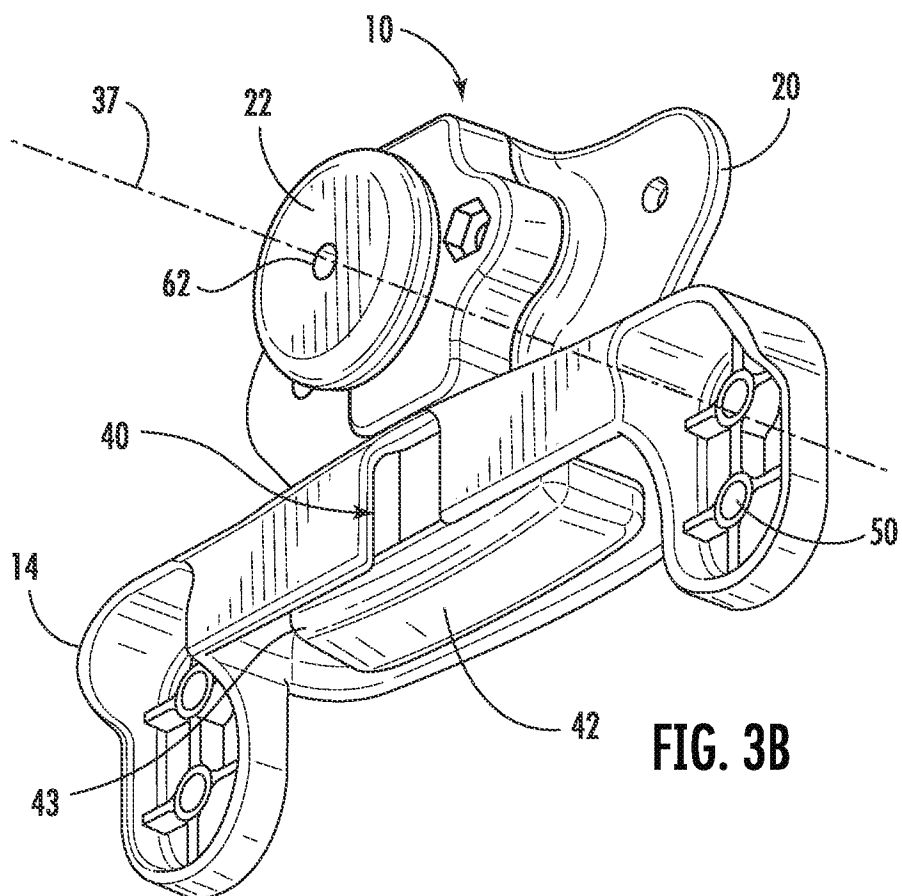
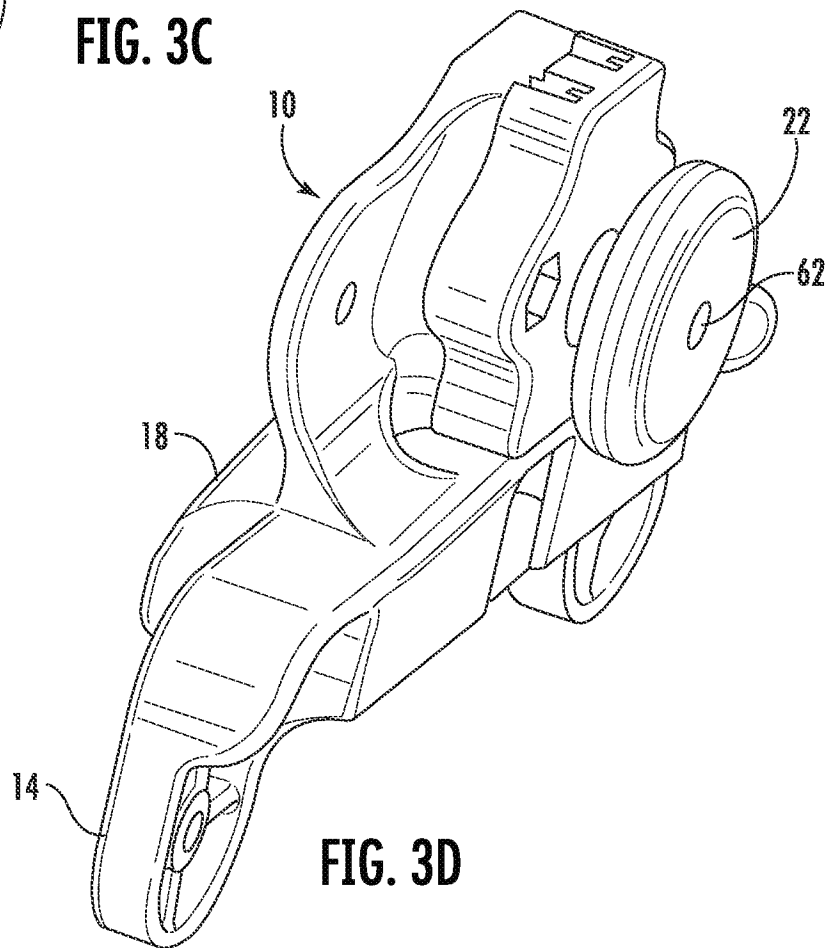
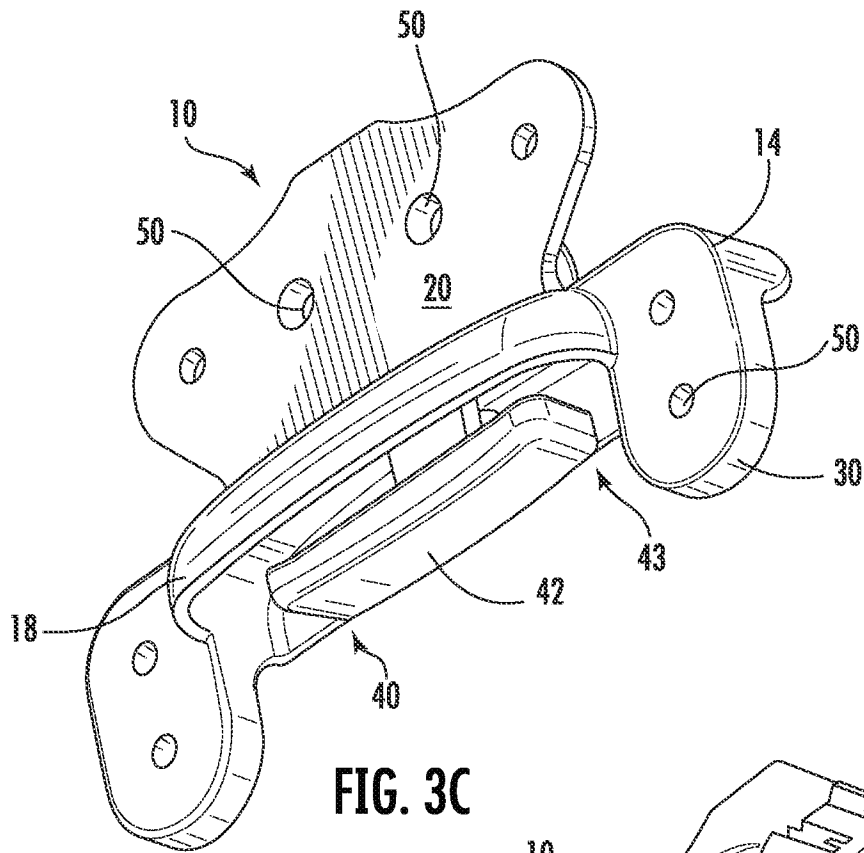
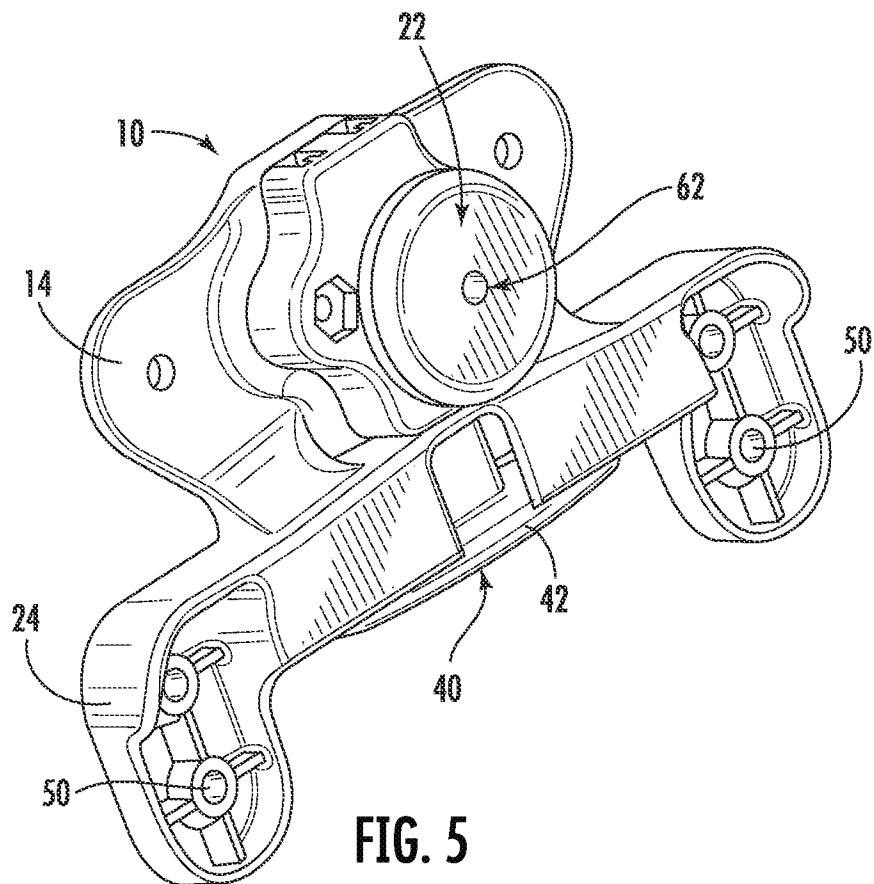
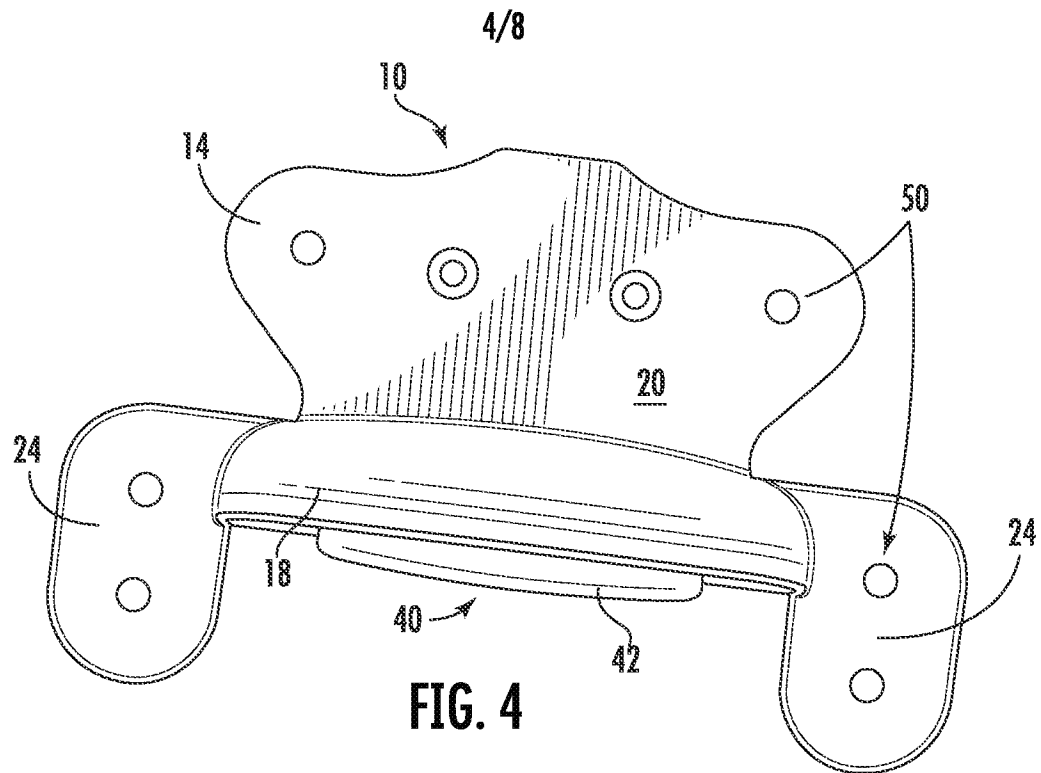
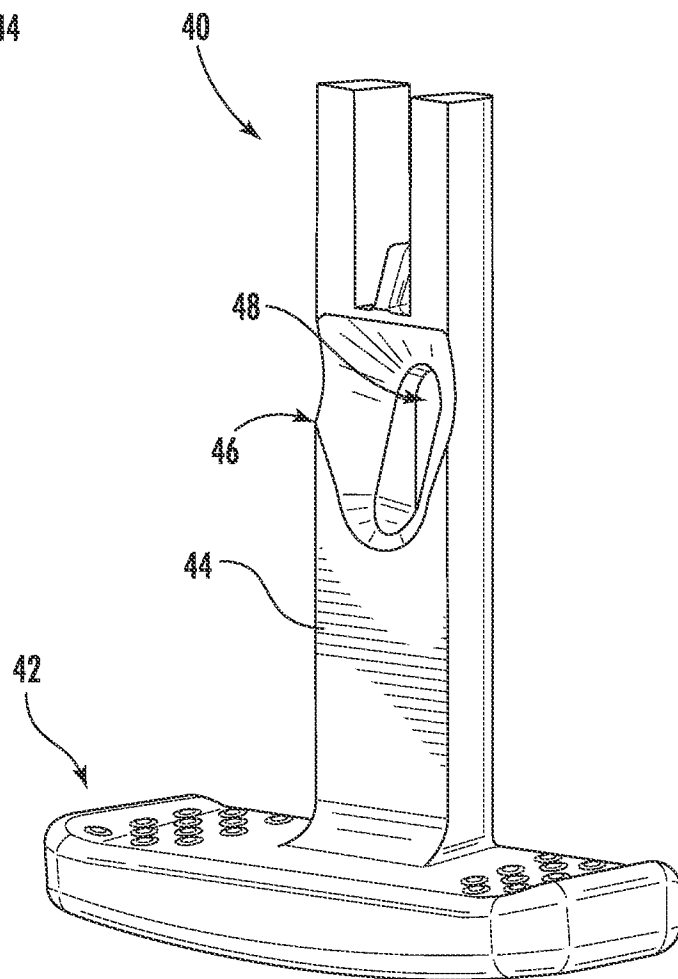
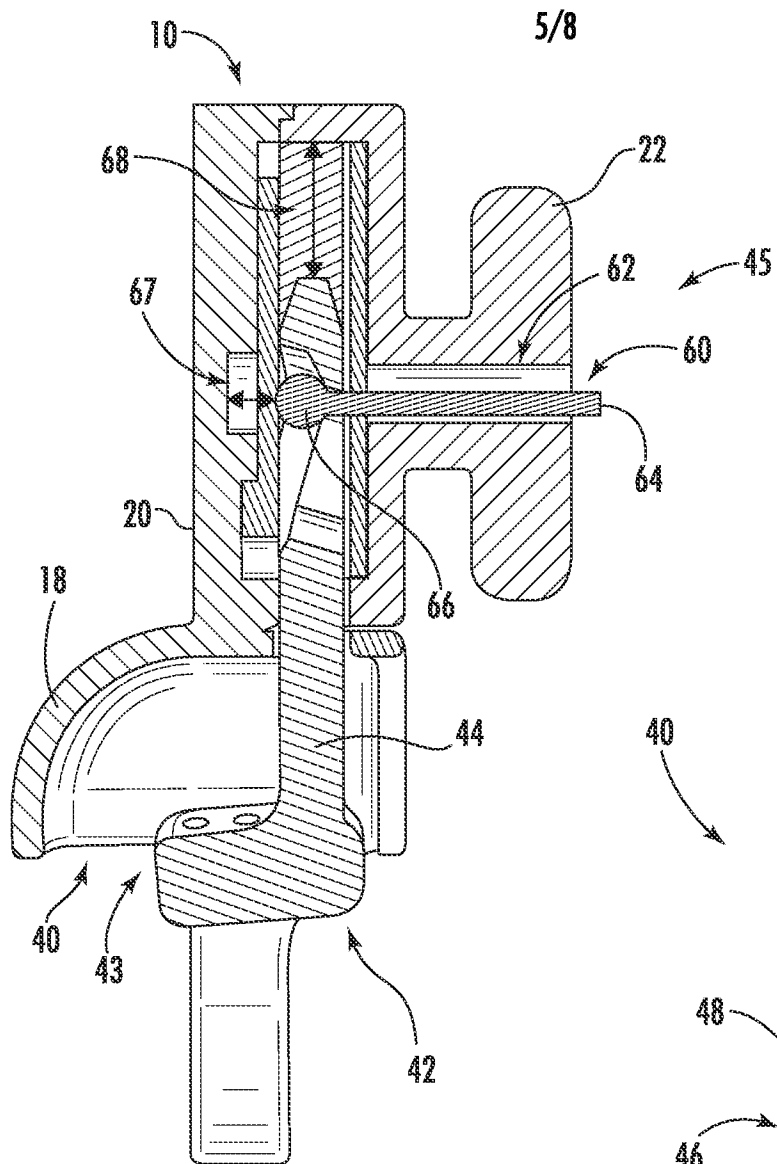


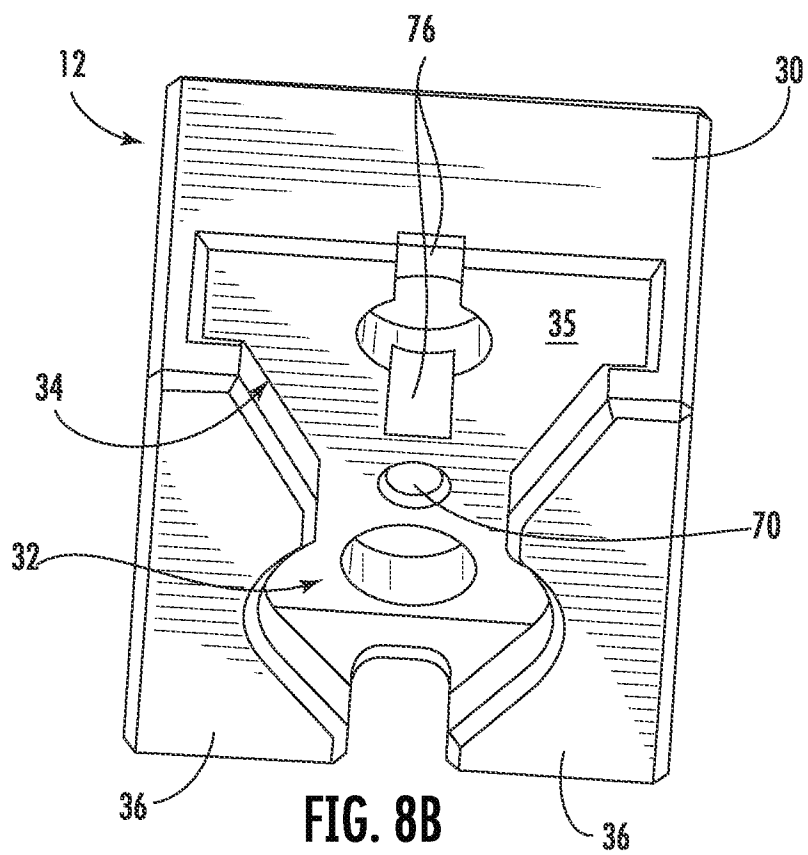
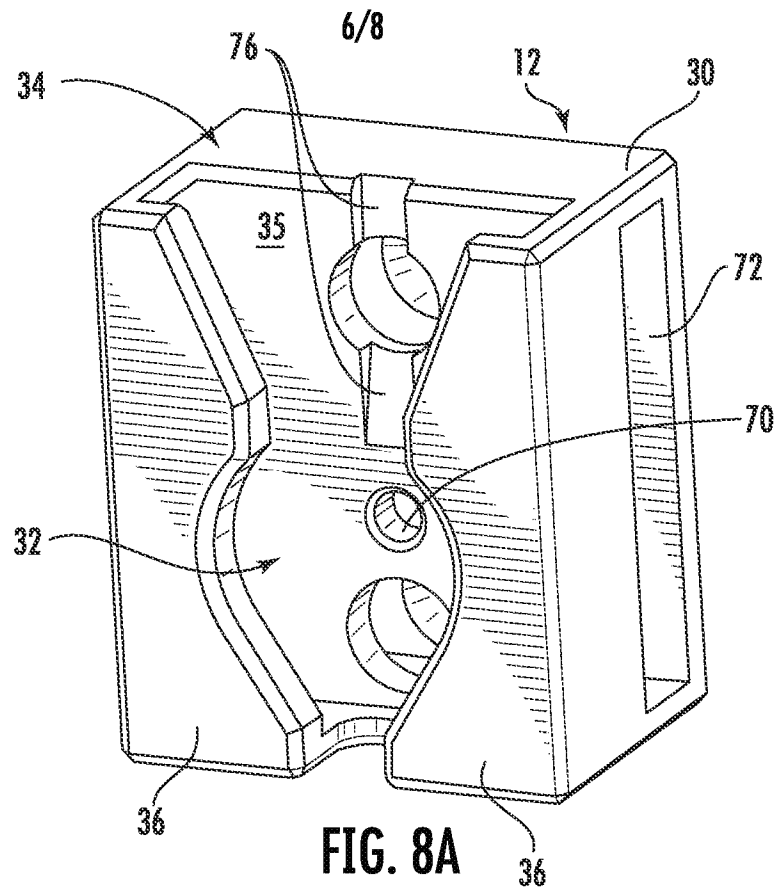
FIG. 3B

3/8









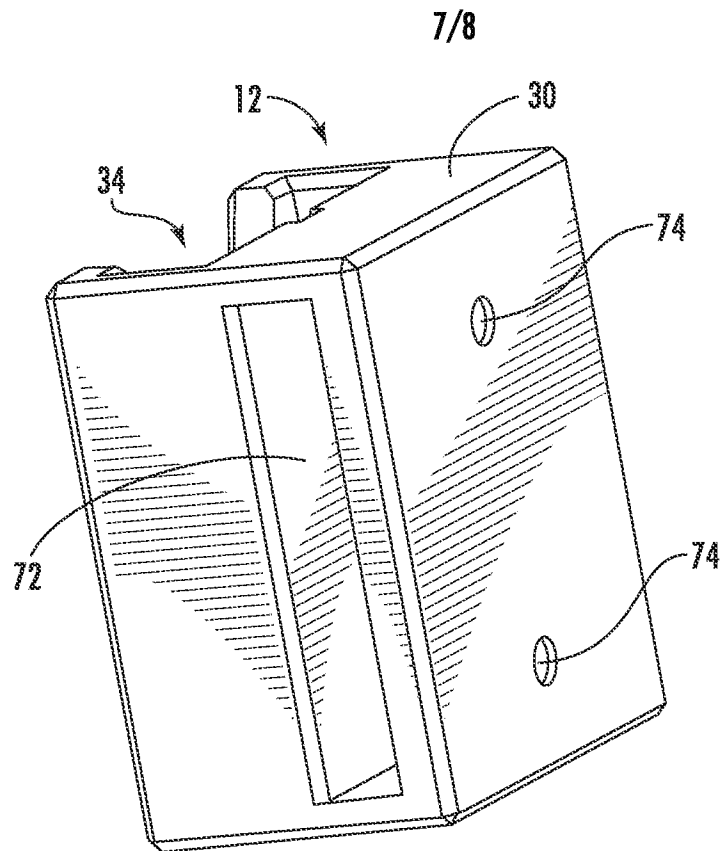


FIG. 8C

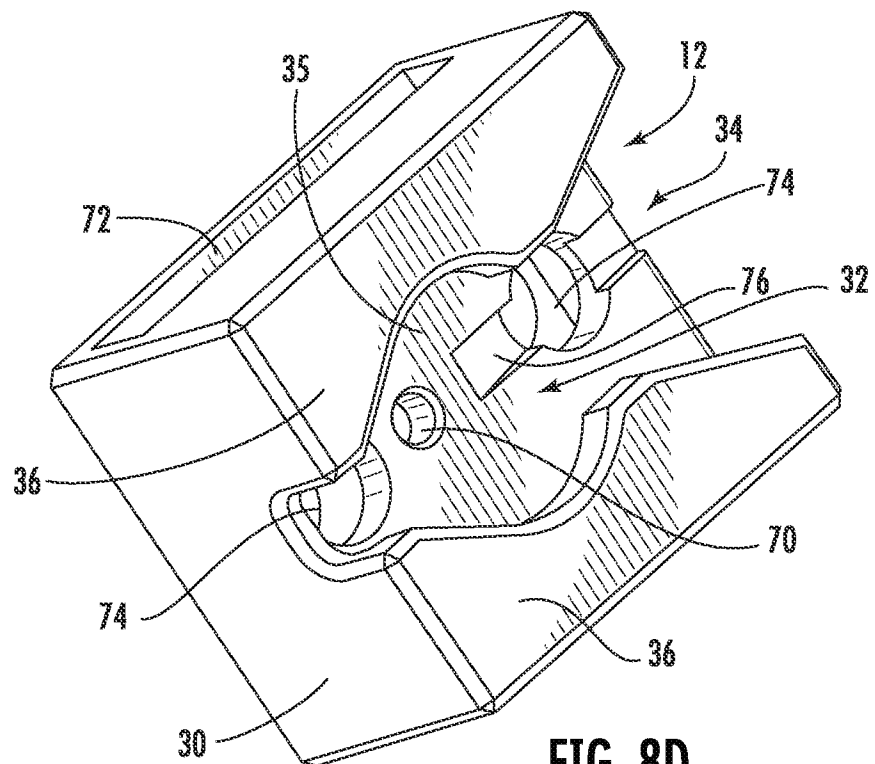
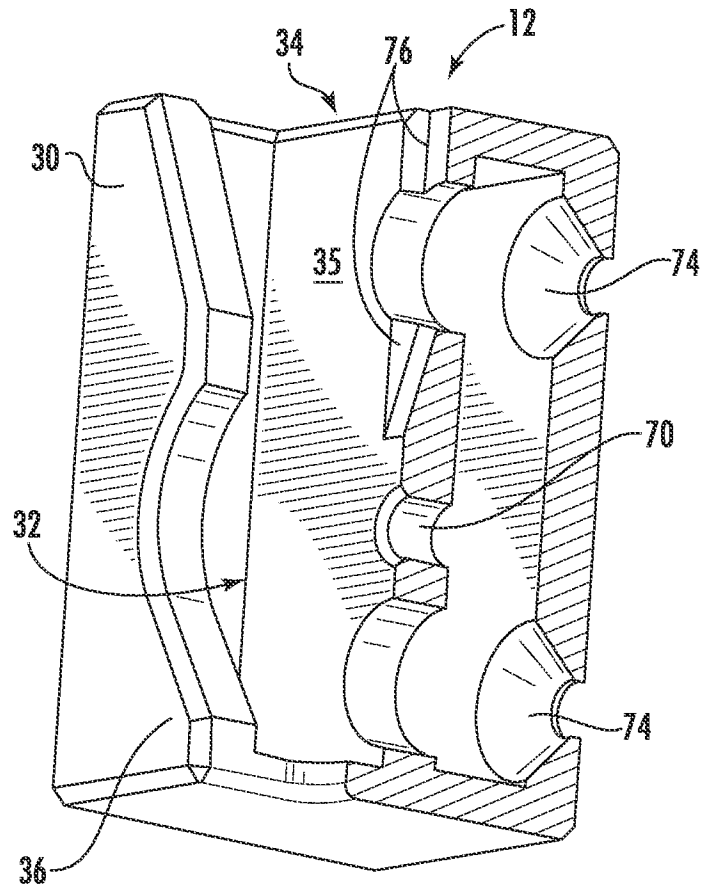
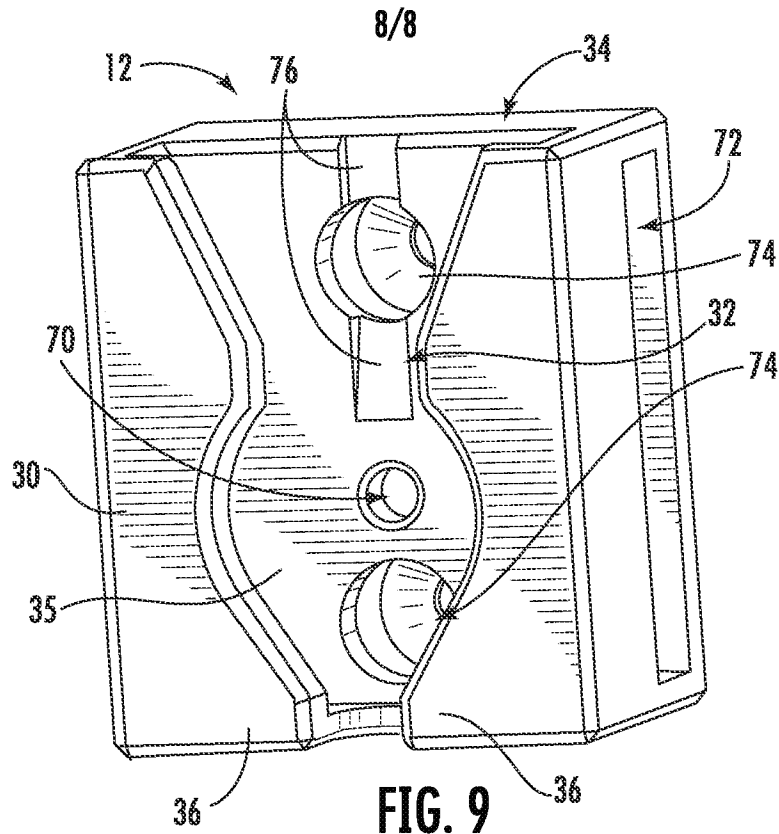


FIG. 8D



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

First Named Inventor:	Aaron S. Blumenthal	Nonprovisional Application Number (if known):	To be determined
Title of Invention:	Tool Attachment System		

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

1. The processing fee set forth in 37 CFR 1.17(i)(1) and the prioritized examination fee set forth in 37 CFR 1.17(c) have been filed with the request. The publication fee requirement is met because that fee, set forth in 37 CFR 1.18(d), is currently \$0. The basic filing fee, search fee, and examination fee are filed with the request or have been already been paid. I understand that any required excess claims fees or application size fee must be paid for the application.
2. I understand that the application may not contain, or be amended to contain, more than four independent claims, more than thirty total claims, or any multiple dependent claims, and that any request for an extension of time will cause an outstanding Track I request to be dismissed.
3. The applicable box is checked below:

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

- i. (a) The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a). This certification and request is being filed with the utility application via EFS-Web.
---OR---
(b) The application is an original nonprovisional plant application filed under 35 U.S.C. 111(a). This certification and request is being filed with the plant application in paper.
- ii. An executed inventor's oath or declaration under 37 CFR 1.63 or 37 CFR 1.64 for each inventor, or the application data sheet meeting the conditions specified in 37 CFR 1.53(f)(3)(i) is filed with the application.

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

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

Signature /James D. Borchardt/	Date July 21, 2023
Name (Print/Typed) James D. Borchardt	Practitioner Registration Number 62,025

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

☒ *Total of 1 forms are submitted.

Privacy Act Statement

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

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

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

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA/82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	To be determined
Filing Date	July 21, 2023
First Named Inventor	Aaron S. Blumenthal
Title	Tool Attachment System
Art Unit	To be determined
Examiner Name	To be determined
Attorney Docket Number	066749-3961

SIGNATURE of Applicant or Patent Practitioner

Signature	/James D. Borchardt/	Date (Optional)	July 21, 2023
Name	James D. Borchardt	Registration Number	62,025
Title (if Applicant is a juristic entity)	Attorney for Applicant		
Applicant Name (if Applicant is a juristic entity)	Milwaukee Electric Tool Corporation		

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



*Total of 1 forms are submitted.

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

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

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:

142078

OR



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

Name	Registration Number

Name	Registration Number

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

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



The address associated with Customer Number:

142078

OR



Firm or individual name

Address

City

State

Zip

Country

Telephone

Email

Assignee name and address: Milwaukee Electric Tool Corporation
13135 West Lisbon Road
Brookfield, Wisconsin 53005

A copy of this form, together with a statement under 37 CFR 3.73(c) (Form PTO/AIA/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(c) may be completed by one of the practitioners appointed in this form, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

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

Signature *Christine Delisle*

Date 4/1/2023

Name Christine Delisle

Telephone

Title CFO, Vice President

This collection of information is required by 37 CFR 1.31, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public, which is to update (and by the USPTO to process) the file of a patent or reexamination proceeding. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 18 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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



ELECTRONIC PAYMENT RECEIPT

APPLICATION #
18/356,881

RECEIPT DATE / TIME
07/21/2023 05:06:09 PM ET

ATTORNEY DOCKET #
066749-3961

Title of Invention

Tool Attachment System

Application Information

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

PATENT # -

CONFIRMATION # 8434

FILED BY Andrea Dietzel

PATENT CENTER # 62483842

AUTHORIZED BY James Borchardt

CUSTOMER # 142078

FILING DATE -

CORRESPONDENCE ADDRESS -

FIRST NAMED INVENTOR Aaron S. Blumenthal

Payment Information

PAYMENT METHOD
DA / 180882

PAYMENT TRANSACTION ID
E20237KH07147711

PAYMENT AUTHORIZED BY
Andrea Dietzel

PRE-AUTHORIZED ACCOUNT
180882

PRE-AUTHORIZED CATEGORY

37 CFR 1.16 (National application filing, search, and examination fees); 37 CFR 1.17 (Patent application and reexamination processing fees); 37 CFR 1.19 (Document supply fees); 37 CFR 1.20 (Post Issuance fees); 37 CFR 1.21 (Miscellaneous fees and charges)

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
1830	PROCESSING FEE, EXCEPT IN PROVISIONAL APPLICATIONS	140.00	1	140.00
1817	REQUEST FOR PRIORITIZED EXAMINATION	4200.00	1	4200.00
1111	UTILITY PATENT APPL. SEARCH FEE	700.00	1	700.00
1011	BASIC FILING FEE - UTILITY (PAPER FILING ALSO REQUIRES NON-	320.00	1	320.00

ELECTRONIC FILING FEE UNDER
1.16(T))

1051	SURCHARGE- LATE FILING FEE, SEARCH FEE, EXAMINATION FEE, INVENTOR'S OATH OR DECLARATION, OR APPLICATION FILED WITHOUT AT LEAST ONE CLAIM OR BY REFERENCE	160.00	1	160.00
1311	PATENT APPL. EXAMINATION FEE	800.00	1	800.00
TOTAL AMOUNT:				\$6,320.00

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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



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

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
18/356,881	07/21/2023		1980	066749-3961	20	2

CONFIRMATION NO. 8434

142078

Reinhart (Milwaukee Tool)

ATTN: TRAVIS MCDONNELL, PARALEGAL

1000 NORTH WATER STREET

SUITE 2100

MILWAUKEE, WI 53202

FILING RECEIPT



0000000060106658

Date Mailed: 08/03/2023

Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

Inventor(s)

Aaron S. Blumenthal, Shorewood, WI;

Jason D. Thurner, Menomonee Falls, WI;

Christopher S. Hoppe, Midvale, UT;

Applicant(s)

Milwaukee Electric Tool Corporation, Brookfield, WI;

Power of Attorney: The patent practitioners associated with Customer Number 142078

Domestic Priority data as claimed by applicant

This application is a CON of 18/311,059 05/02/2023

which is a CON of 17/700,119 03/21/2022 PAT 11,672,325

which is a CON of 16/800,336 02/25/2020 PAT 11,304,503

which is a CON of PCT/US2020/017742 02/11/2020

which claims benefit of 62/804,547 02/12/2019

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 08/01/2023

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 18/356,881**

Projected Publication Date: 11/09/2023

Non-Publication Request: No

Early Publication Request: No

Title

Tool Attachment System

Preliminary Class

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific

page 2 of 4

countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

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

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

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

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

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

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The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop

technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number
18/356,881

APPLICATION AS FILED - PART I

(Column 1)		(Column 2)		SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)			RATE(\$)	FEE(\$)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A				N/A	320
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A				N/A	700
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A				N/A	800
TOTAL CLAIMS (37 CFR 1.16(i))	20	minus 20 =	*	0			x	= 0
INDEPENDENT CLAIMS (37 CFR 1.16(h))	2	minus 3 =	*				x	= 0
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							0
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))								0
				TOTAL			TOTAL	1820

* If the difference in column 1 is less than zero, enter "0" in column 2.

APPLICATION AS AMENDED - PART II

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

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

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

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

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

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



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
18/356,881	07/21/2023	Aaron S. Blumenthal	066749-3961

CONFIRMATION NO. 8434

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

INFORMAL NOTICE



OC000000060106660

Date Mailed: 08/03/2023

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):

Aaron S. Blumenthal
Jason D. Thurner
Christopher S. Hoppe

An inventor's oath or declaration in compliance with 37 CFR 1.63 or 1.64 executed by or with respect to each inventor must be submitted no later than the date on which the issue fee is paid in response to a notice requiring such fee. See 37 CFR 1.53(f).

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.

/slee/

TO: IPAdmin@reinhardtlaw.com
FROM: noreply@uspto.gov
CC: patentcenter_eofficeaction@uspto.gov
SUBJECT: USPTO: Patent Electronic System - Correspondence Notification for Customer Number 142078

Thu Aug 03 06:31:20 EDT 2023

Dear Patent Center Customer:

Correspondence Address:

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

This is a courtesy notification regarding the following USPTO patent application(s) associated with your Customer Number, 142078, that have new outgoing correspondence. This correspondence is now available for viewing in Patent Center.

The official date of notification of the outgoing correspondence will be indicated on the form (e.g., PTOL-90) accompanying the correspondence.

Disclaimer:

The list of documents shown below are provided as a courtesy and is not part of the official file wrapper. The content of the images shown in the Image File Wrapper is the official record.

Application	Document	Mailroom Date	Attorney Docket No.
18356881	APP.FILE.REC	08/03/2023	066749-3961
18356881	M327	08/03/2023	066749-3961

To view your correspondence online, please sign in to [Patent Center](#) and then select Workbench/View correspondence. To update your email address(es), select Manage/Manage customer numbers.

If you have any questions, please contact the [Patent Electronic Business Center](#) (EBC) at ebc@uspto.gov or 866-217-9197 Monday – Friday, 6 a.m. to midnight ET.

Please do not reply to this email as it was sent from an unmonitored mailbox.

Sincerely,

The Patent Center Team



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/356,881	07/21/2023	Aaron S. Blumenthal	066749-3961	8434
142078	7590	08/24/2023	EXAMINER	
Reinhart (Milwaukee Tool)			CENTRAL, DOCKET	
ATTN: TRAVIS MCDONNELL, PARALEGAL			ART UNIT	PAPER NUMBER
1000 NORTH WATER STREET			OPAP	
SUITE 2100			NOTIFICATION DATE	DELIVERY MODE
MILWAUKEE, WI 53202			08/24/2023	ELECTRONIC

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

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

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

IPAdmin@reinhartlaw.com

<i>Decision Granting Request for Prioritized Examination (Track I)</i>	Application No. 18/356,881	Applicant(s) Blumenthal et al.	
	Examiner FIKIRTE A GEREMEW	Art Unit OMBL	AIA (FITF) Status Yes
1. THE REQUEST FILED <u>21 July 2023</u> IS GRANTED . The above-identified application has met the requirements for prioritized examination A. ☒ for an original nonprovisional application (Track I). B. ☐ for an application undergoing continued examination (RCE). 2. The above-identified application will undergo prioritized examination. The application will be accorded special status throughout its entire course of prosecution until one of the following occurs: A. filing a <u>petition for extension of time</u> to extend the time period for filing a reply; B. filing an <u>amendment to amend the application to contain more than four independent claims, more than thirty total claims</u>, or a multiple dependent claim; C. filing a <u>request for continued examination</u> ; D. filing a notice of appeal; E. filing a request for suspension of action; F. mailing of a notice of allowance; G. mailing of a final Office action; H. completion of examination as defined in 37 CFR 41.102; or I. abandonment of the application. Telephone inquiries with regard to this decision should be directed to FIKIRTE GEREMEW at (703) 756-1930. In his/her absence, calls may be directed to Petition Help Desk at (571) 272-3282.			
/FIKIRTE A GEREMEW/ PROGRAM SUPPORT ASSISTANT, OMBL			

TO: IPAdmin@reinhardtllaw.com
FROM: noreply@uspto.gov
CC: patentcenter_eofficeaction@uspto.gov
SUBJECT: USPTO: Patent Electronic System - Correspondence Notification for Customer Number 142078

Fri Aug 25 05:32:00 EDT 2023

Dear Patent Center Customer:

Correspondence Address:

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

This is a courtesy notification regarding the following USPTO patent application(s) associated with your Customer Number, 142078, that have new outgoing correspondence. This correspondence is now available for viewing in Patent Center.

The official date of notification of the outgoing correspondence will be indicated on the form (e.g., PTOL-90) accompanying the correspondence.

Disclaimer:

The list of documents shown below are provided as a courtesy and is not part of the official file wrapper. The content of the images shown in the Image File Wrapper is the official record.

Application	Document	Mailroom Date	Attorney Docket No.
18356881	TRACK1.GRANT	08/24/2023	066749-3961

To view your correspondence online, please sign in to [Patent Center](#) and then select Workbench/View correspondence. To update your email address(es), select Manage/Manage customer numbers.

If you have any questions, please contact the [Patent Electronic Business Center](#) (EBC) at ebc@uspto.gov or 866-217-9197 Monday – Friday, 6 a.m. to midnight ET.

Please do not reply to this email as it was sent from an unmonitored mailbox.

Sincerely,

The Patent Center Team



UNITED STATES PATENT AND TRADEMARK OFFICE

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

142078 7590 09/28/2023
Reinhart (Milwaukee Tool)
ATTN: TRAVIS MCDONNELL, PARALEGAL
1000 NORTH WATER STREET
SUITE 2100
MILWAUKEE, WI 53202

EXAMINER

NASH, BRIAN D

ART UNIT

PAPER NUMBER

3734

DATE MAILED: 09/28/2023

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/356,881	07/21/2023	Aaron S. Blumenthal	066749-3961	8434

TITLE OF INVENTION: Tool Attachment System

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	12/28/2023

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

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

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

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

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

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

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

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

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

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

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.

142078 7590 09/28/2023
 Reinhart (Milwaukee Tool)
 ATTN: TRAVIS MCDONNELL, PARALEGAL
 1000 NORTH WATER STREET
 SUITE 2100
 MILWAUKEE, WI 53202

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/356,881	07/21/2023	Aaron S. Blumenthal	066749-3961	8434

TITLE OF INVENTION: Tool Attachment System

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	12/28/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
NASH, BRIAN D	3734	224-197000

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

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

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

2. For printing on the patent front page, list

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

1 _____

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

2 _____

3 _____

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

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

(A) NAME OF ASSIGNEE

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

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

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

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

☐ Electronic Payment via Patent Center or EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

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

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

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

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

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

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

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

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/356,881	07/21/2023	Aaron S. Blumenthal	066749-3961	8434
142078	7590	09/28/2023	EXAMINER	
Reinhart (Milwaukee Tool)			NASH, BRIAN D	
ATTN: TRAVIS MCDONNELL, PARALEGAL			ART UNIT	
1000 NORTH WATER STREET			PAPER NUMBER	
SUITE 2100			3734	
MILWAUKEE, WI 53202			DATE MAILED: 09/28/2023	

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

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

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

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

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

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

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

Privacy Act Statement

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

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

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

Notice of Allowability	Application No. 18/356,881	Applicant(s) Blumenthal et al.	
	Examiner BRIAN D NASH	Art Unit 3734	AIA (FITF) Status Yes

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

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

1. ☒ This communication is responsive to claims filed 7/21/2023.
☐ 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. _____.	

/BRIAN D NASH/
Primary Examiner, Art Unit 3734

DETAILED ACTION

Examiner's Comments

This action is in response to applicant's claims filed 7/21/2023.

Reasons For Allowance

The following is an examiner's statement of reasons for allowance. The prior art of record fails to anticipate or show in combination all the features of applicant's invention:

With respect to claims 1, 16, a novel tool attachment system, comprising, amongst other structures, a receiver configured to attach to a belt of a user, the receiver comprising a channel and a locking hole; a tool attachment device configured to be releasably coupled to the receiver, the tool attachment device comprising: a body; a locking mechanism protruding past the rear surface of the body and into the locking hole of the receiver when the locking mechanism is in a locked position; and a mating structure protruding outward from the rear surface of the body; wherein the mating structure is configured to slidably engage the channel of the receiver; a pouch coupled to the body of the tool attachment device; and an actuator coupled to the tool attachment device; wherein the channel of the receiver is sized to slidably receive the mating structure such that the tool attachment device is supported from the receiver; wherein the actuator is configured to move the locking mechanism from the locked position to an unlocked position when a force is applied to the actuator, and wherein, in the unlocked position, the locking mechanism is moved out of the locking hole in the receiver and the tool attachment device is allowed to move relative to the

Art Unit: 3734

receiver such that the mating structure slides upward and out of the channel of the receiver to release the tool attachment device from the receiver.

The prior art of record shows similar examples of elements disclosed in applicant's invention; however, it is the examiner's opinion that it would not have been obvious to one having ordinary skill in the art at the time of the invention to combine or modify the prior art in order to arrive at applicant's invention.

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

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Refer to attachment (PTO-892) for notice of references cited and recommended for consideration based on their disclosure of limitations of the claimed invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian Nash whose telephone number is 571-272-4465. The examiner can normally be reached on Monday – Friday from 8 a.m. to 4 p.m. EST. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Newhouse can be reached at 571-272-4544. The official fax number for this Group is: 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. For more information about the

Art Unit: 3734

PAIR system, see www.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).

/BRIAN D NASH/

Primary Examiner, Art Unit 3734

9/21/2023

<i>Notice of References Cited</i>	Application/Control No. 18/356,881	Applicant(s)/Patent Under Reexamination Blumenthal et al.	
	Examiner BRIAN D NASH	Art Unit 3734	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20170209318-A1	07-2017	Schroeder; Timothy Paul	F16M13/022	1/1
*	B	US-20180188001-A1	07-2018	Swan; Johnny E.	F41C33/0263	1/1
*	C	US-20210346739-A1	11-2021	Shaver; Stephen D.	A62B35/0043	1/1
*	D	US-20230271039-A1	08-2023	Shrank; Greg E.	A62B35/04	182/232
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

Issue Classification 	Application/Control No. 18/356,881	Applicant(s)/Patent Under Reexamination Blumenthal et al.
	Examiner BRIAN D NASH	Art Unit 3734

CPC						
Symbol					Type	Version
A45F	/	5	/	021	F	2013-01-01
A45F	/	2200	/	0575	A	2013-01-01
A45F	/	2005	/	026	A	2013-01-01

CPC Combination Sets					
Symbol				Type	Version
	/		/		

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 20	
/BRIAN D NASH/ Primary Examiner, Art Unit 3734 (Primary Examiner) _____ (Date) _____		21 September 2023 O.G. Print Claim(s) 1	O.G. Print Figure 1

Issue Classification 	Application/Control No. 18/356,881	Applicant(s)/Patent Under Reexamination Blumenthal et al.
	Examiner BRIAN D NASH	Art Unit 3734

INTERNATIONAL CLASSIFICATION			
CLAIMED			
A45F5/02	/	5	/ 02

NON-CLAIMED			
/		/	

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS

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

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	20	
/BRIAN D NASH/ Primary Examiner, Art Unit 3734	21 September 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

Issue Classification 	Application/Control No. 18/356,881	Applicant(s)/Patent Under Reexamination Blumenthal et al.
	Examiner BRIAN D NASH	Art Unit 3734

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47															
CLAIMS															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 20	
/BRIAN D NASH/ Primary Examiner, Art Unit 3734 (Primary Examiner) _____ (Date) _____		21 September 2023 O.G. Print Claim(s)	O.G. Print Figure 1

<i>Search Notes</i> 	Application/Control No. 18/356,881	Applicant(s)/Patent Under Reexamination Blumenthal et al.
	Examiner BRIAN D NASH	Art Unit 3734

CPC - Searched*		
Symbol	Date	Examiner
A45F 5/021, 2005/026, 2200/0575, 2200/0516; Y10T 24/1391; Y10S 24/60	09/21/2023	BN

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

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

Search Notes		
Search Notes	Date	Examiner
IDS, INVNTR SRCH, CPC (narrowed with text)	09/21/2023	BN

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
US PGPubs	claim text	09/21/2023	BN

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Bibliographic Data

Application No: 18/356,881

Foreign Priority claimed: ☐ Yes ☒ No

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

Verified and Acknowledged:

/BRIAN D NASH/

/BN/

Examiner's Signature

Initials

Title:

Tool Attachment System

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
07/21/2023	224	3734	066749-3961
RULE			

APPLICANTS

Milwaukee Electric Tool Corporation, Brookfield, WI, UNITED STATES

INVENTORS

Aaron S. Blumenthal,

Jason D. Thurner, Menomonee Falls, WI, UNITED STATES

Christopher S. Hoppe, midvale, UT, UNITED STATES

CONTINUING DATA

This application is a CON of 18311059 05/02/2023

18311059 is a CON of 17700119 03/21/2022 PAT 11672325

17700119 is a CON of 16800336 02/25/2020 PAT 11304503

16800336 is a CON of PCT/US2020/017742 02/11/2020

PCT/US2020/017742 has PRO of 62804547 02/12/2019

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

08/01/2023

STATE OR COUNTRY

ADDRESS

Reinhart (Milwaukee Tool)

ATTN: TRAVIS MCDONNELL, PARALEGAL

1000 NORTH WATER STREET

SUITE 2100

MILWAUKEE, WI 53202

UNITED STATES

FILING FEE RECEIVED

\$6,320

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L220	25	((US-20200253365-A1 OR US-20140291362-A1 OR US-20100071168-A1 OR US-20070099469-A1 OR US-20050258204-A1 OR US-20060246963-A1 OR US-20030047575-A1).did. AND PGPB.dbnm.) OR ((US-11047644-B2 OR US-10271634-B1 OR US-9101198-B2 OR US-8919623-B1 OR US-8613564-B2 OR US-8166694-B2 OR US-8020821-B2 OR US-6955279-B1 OR US-6161741-A OR US-6098858-A OR US-6041444-A OR US-5850996-A OR US-5598958-A OR US-5597102-A OR US-5054170-A OR US-5014892-A OR US-4419794-A OR US-8919622-B1).did. AND USPT.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/21 06:16 PM
L221	64	("10271634" OR "11047644" OR "20030047575" OR "20050258204" OR "20060104735" OR "20060246963" OR "20070099469" OR "20080083803" OR "20090095785" OR "20100071168" OR "20110019081" OR "20110142436" OR "20130008933" OR "20140291362" OR "20170122701" OR "20170235211" OR "20180331708" OR "20190014893" OR "20200253365" OR "2743894" OR "2990987" OR "4419794" OR "4718586" OR	(US-PGPUB; USPAT)	OR	ON	ON	2023/09/21 06:19 PM

		"4721276" OR "5014892" OR "5054170" OR "5163591" OR "5201858" OR "5319349" OR "5597102" OR "5598958" OR "5622296" OR "5664292" OR "5779115" OR "5850996" OR "5983686" OR "6041444" OR "6098858" OR "6161741" OR "6193546" OR "6279362" OR "6290534" OR "6439017" OR "6626336" OR "6669155" OR "6685067" OR "6719178" OR "6786372" OR "6880794" OR "6955279" OR "7686196" OR "7690541" OR "7699197" OR "8020821" OR "8166694" OR "8499986" OR "8613564" OR "8919622" OR "8919623" OR "9101198" OR "9657893" OR "9664480" OR "9780583" OR "D741161").pn.					
L222	0	217 NOT 221	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2023/09/21 06:20 PM
L223	634	tool AND attach AND body AND locking AND mating AND pouch AND actuator	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2023/09/21 06:21 PM
L224	437	tool AND attach AND belt AND lock AND pouch AND actuator	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2023/09/21 06:23 PM
L225	437	tool AND attach AND belt AND lock AND pouch AND actuator AND belt	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2023/09/21 06:23 PM
L226	437	tool AND attach AND	(US-PGPUB; USPAT;	OR	ON	ON	2023/09/21

L227	29	belt AND lock AND pouch AND actuator ((US-20200253365-A1 OR US-20140291362-A1 OR US-20100071168-A1 OR US-20070099469-A1 OR US-20050258204-A1 OR US-20060246963-A1 OR US-20030047575-A1 OR US-20230271039-A1 OR US-20210346739-A1 OR US-20180188001-A1 OR US-20170209318-A1).did. AND PGPB.dbnm.) OR ((US-11047644-B2 OR US-10271634-B1 OR US-9101198-B2 OR US-8919623-B1 OR US-8613564-B2 OR US-8166694-B2 OR US-8020821-B2 OR US-6955279-B1 OR US-6161741-A OR US-6098858-A OR US-6041444-A OR US-5850996-A OR US-5598958-A OR US-5597102-A OR US-5054170-A OR US-5014892-A OR US-4419794-A OR US-8919622-B1).did. AND USPT.dbnm.)	USOCR; FPRS; EPO; JPO; DERWENT) (US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	06:23 PM 2023/09/21 06:27 PM
L228	4	227 NOT 221	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2023/09/21 06:27 PM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

PTO/SB/08 (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

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

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: July 21, 2023 <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	To be determined
				Filing Date	July 21, 2023
				First Named Inventor	Aaron S. Blumenthal
				Art Unit	To be determined
				Examiner Name	To be determined
Sheet	1	of	4	Attorney Docket Number	066749-3961

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	2,743,894	05-01-1956	Ostnas	
	A2	2,990,987	07-04-1961	Handler et al.	
	A3	4,419,794	12-13-1983	Horton, Jr.; Harold O.	
	A4	4,718,586	01-12-1988	Hagino; Kiyohiko	
	A5	4,721,276	01-26-1988	Moss; Ernest	
	A6	5,014,892	05-14-1991	Copeland; Anthony S.	
	A7	5,054,170	10-08-1991	Otrusina; Edward C.	
	A8	5,163,591	11-17-1992	Leiserson et al.	
	A9	5,201,858	04-13-1993	Otrusina; Edward C.	
	A10	5,319,349	06-07-1994	Smith, III; Frank E.	
	A11	5,597,102	01-28-1997	Saarikko; Anssi	
	A12	5,598,958	02-04-1997	Ryan, III et al.	
	A13	5,622,296	04-22-1997	Pirhonen	
	A14	5,664,292	09-09-1997	Chen; Tonny	
	A15	5,779,115	07-14-1998	Parkas et al.	
	A16	5,850,996	12-22-1998	Liang; Ying-Ping	
	A17	5,983,686	11-16-1999	Lee	
	A18	6,041,444	03-28-2000	McKinney; John	
	A19	6,098,858	08-08-2000	Laugesen	
	A20	6,161,741	12-19-2000	French	
	A21	6,193,546	02-27-2001	Sadler	
	A22	6,279,362	08-28-2001	Lee	
	A23	6,290,534	09-18-2001	Sadler	
	A24	6,439,017	08-27-2002	Lee	
	A25	6,626,336	09-30-2003	Krusell	
	A26	6,669,155	12-30-2003	Ron; Gil	
	A27	6,685,067	02-03-2004	French	
	A28	6,719,178	04-13-2004	Taylor; Robert Lee	
	A29	6,786,372	09-07-2004	Enkerlin; E. Michael	
	A30	6,880,794	04-19-2005	Kahn; Peter P.	

Examiner Signature	/BRIAN D NASH/	Date Considered	09/21/2023
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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

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Klein Tools

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /B.D.N.

Ex-1002, Page 99

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: July 21, 2023 <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	To be determined
				Filing Date	July 21, 2023
				First Named Inventor	Aaron S. Blumenthal
				Art Unit	To be determined
Examiner Name	To be determined				
Sheet	2	of	4	Attorney Docket Number	066749-3961

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
	A31	6,955,279	10-18-2005	Mudd; John J.	
	A32	7,686,196	03-30-2010	Panosian et al.	
	A33	7,690,541	04-06-2010	Pellegrini	
	A34	7,699,197	04-20-2010	Panosian et al.	
	A35	8,020,821	09-20-2011	Chen; Dong-Ying	
	A36	8,166,694	05-01-2012	Swan; Johnny E.	
	A37	8,499,986	08-06-2013	Knight	
	A38	8,613,564	12-24-2013	Busch; Christopher	
	A39	8,919,622	12-30-2014	Gabriel et al.	
	A40	8,919,623	12-30-2014	Bergeron; Victor James	
	A41	9,101,198	08-11-2015	Tseng	
	A42	9,657,893	05-23-2017	Buresh, II et al.	
	A43	9,664,480	05-30-2017	Faifer; Sagi	
	A44	9,780,583	10-03-2017	Nobuyasu Furui et al.	
	A45	10,271,634	04-30-2019	Eynav	
	A46	11,047,644	06-29-2021	Shearer; Jacob	
	A47	2003/0047575	03-13-2003	Enkerlin et al.	
	A48	2005/0258204	11-24-2005	Evans et al.	
	A49	2006/0104735	05-18-2006	Zeiler et al.	
	A50	2006/0246963	11-02-2006	Tages	
	A51	2007/0099469	05-03-2007	Sorensen; Joseph	
	A52	2008/0083803	04-10-2008	Connie S. Brantner et al.	
	A53	2009/0095785	04-16-2009	Andre A. Woolery	
	A54	2010/0071168	03-25-2010	Miller; David A.	
	A55	2011/0019081	01-27-2011	Eynav	
	A56	2011/0142436	06-16-2011	Eynav	
	A57	2013/0008933	01-10-2013	Clifford	
	A58	2014/0291362	10-02-2014	Seals Victor	
	A59	2017/0122701	05-04-2017	Lim et al.	
	A60	2017/0235211	08-17-2017	Eynav	
	A61	2018/0331708	11-15-2018	Craig	

Examiner Signature	/BRIAN D NASH/	Date Considered	09/21/2023
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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Klein Tools

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /B.D.N. Ex-1002, Page 100

PTO/SB/08 (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

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

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				First Named Inventor	Aaron S. Blumenthal
				Art Unit	To be determined
Examiner Name	To be determined				
Sheet	3	of	4	Attorney Docket Number	066749-3961

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
	A62	2019/0014893	01-17-2019	Record et al.	
	A63	2020/0253365	08-13-2020	Blumenthal et al.	
	A64	D741,161	10-20-2015	Buresh, II et al.	

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Application Document	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Serial Number-Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	A65	CN103703651	04-02-2014	Makita		
	A66	DE102010046583	05-05-2011	SPIELBERGER		
	A67	DE3027550	03-11-1982	RICHARD KROPAC LEDERWARENFABRI		
	A68	DE7810070	07-20-1978	CARL HEPTING & CO, LEDERWAREN- UNO GUERTELFABRIK		
	A69	DE8810011	09-22-1988	ALBRECHT KIND GMBH & CO		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A70	International Search Report and Written Opinion for International Application No. PCT/US2020/017742, dated June 16, 2020, 13 pages.	

Examiner Signature	/BRIAN D NASH/	Date Considered	09/21/2023
--------------------	----------------	-----------------	------------

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

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

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

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PTO/SB/08 (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

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

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Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: July 21, 2023 <i>(use as many sheets as necessary)</i>				Application Number	To be determined
				Filing Date	July 21, 2023
				First Named Inventor	Aaron S. Blumenthal
				Art Unit	To be determined
				Examiner Name	To be determined
Sheet	4	of	4	Attorney Docket Number	066749-3961

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A71	Spider Holster SpiderPro Dual Camera System (DCS), Amazon.com, https://www.amazon.com/exec/obidos/ASIN/B004TGP0DS/ezvid02-20 , believed to be commercially available as early as May 2011, 12 pages.	

Examiner Signature	/BRIAN D NASH/	Date Considered	09/21/2023
---------------------------	----------------	------------------------	------------

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

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

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /B.D.N.

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Ex-1002, Page 102

TO: IPAdmin@reinhardtllaw.com
FROM: noreply@uspto.gov
CC: patentcenter_eofficeaction@uspto.gov
SUBJECT: USPTO: Patent Electronic System - Correspondence Notification for Customer Number 142078

Thu Sep 28 06:20:07 EDT 2023

Dear Patent Center Customer:

Correspondence Address:

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

This is a courtesy notification regarding the following USPTO patent application(s) associated with your Customer Number, 142078, that have new outgoing correspondence. This correspondence is now available for viewing in Patent Center.

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Application	Document	Mailroom Date	Attorney Docket No.
18356881	NOA	09/28/2023	066749-3961
18356881	892	09/28/2023	066749-3961
18356881	1449	09/28/2023	066749-3961

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Sincerely,

The Patent Center Team



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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 NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/356,881	07/21/2023	Aaron S. Blumenthal	066749-3961	8434
7590 10/02/2023 Reinhart (Milwaukee Tool) ATTN: TRAVIS MCDONNELL, PARALEGAL 1000 NORTH WATER STREET SUITE 2100 MILWAUKEE, WI 53202			EXAMINER NASH, BRIAN D	
			ART UNIT 3734	PAPER NUMBER
			NOTIFICATION DATE 10/02/2023	DELIVERY MODE ELECTRONIC

NOTICE REQUIRING INVENTOR'S OATH OR DECLARATION

☒ An inventor's oath or declaration in compliance with 37 CFR 1.63 or substitute statement in compliance with 37 CFR 1.64 executed by or with respect to each inventor has not yet been submitted.

The inventor's oath or declaration or substitute statement dated _____ is defective. The inventor's oath or declaration does not comply with 37 CFR 1.63 or the substitute statement does not comply with 37 CFR 1.64 because it:

- ☐ does not include a statement that the person executing the oath or declaration or substitute statement believes the named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application for which the oath or declaration is being submitted.
- ☐ does not state that the application was made or was authorized to be made by the person executing the oath or declaration or substitute statement.
- ☐ does not acknowledge that any willful false statement made in such oath or declaration or substitute statement is punishable under section 1001 of title 18 by fine or imprisonment of not more than 5 years, or both.
- ☐ does not identify the person executing the oath or declaration or substitute statement by his or her legal name.
- ☐ does not identify the application to which the oath or declaration or substitute statement is directed.
- ☐ Other: _____

The substitute statement dated _____ does not comply with 37 CFR 1.64 because it:

- ☐ does not identify the inventor with respect to whom the statement applies.
- ☐ does not identify the relationship to the non-signing inventor.
- ☐ does not identify the circumstances permitting execution of the statement.
- ☐ was signed by someone other than the applicant.
- ☐ Other: _____

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 inventor **MUST** be filed **no later than the date on which the issue fee is paid**. See 35 U.S.C. 115(f). Failure to timely comply will result in ABANDONMENT of this application. This period for reply is not extendable under 37 CFR 1.136(a).

Questions relating to this Notice should be directed to the Application Assistance Unit at 571-272-4200.

(571)-272-4200 or 1(888)-786-0101

Patent Publication Branch
Office of Data Management

Klein Tools
Ex-1002, Page 104

TO: IPAdmin@reinhardtllaw.com
FROM: noreply@uspto.gov
CC: patentcenter_eofficeaction@uspto.gov
SUBJECT: USPTO: Patent Electronic System - Correspondence Notification for Customer Number 142078

Mon Oct 02 05:22:12 EDT 2023

Dear Patent Center Customer:

Correspondence Address:

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

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Application	Document	Mailroom Date	Attorney Docket No.
18356881	M327	10/02/2023	066749-3961

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If you have any questions, please contact the [Patent Electronic Business Center](#) (EBC) at ebc@uspto.gov or 866-217-9197 Monday – Friday, 6 a.m. to midnight ET.

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The Patent Center Team



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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
18/356,881	07/21/2023	Aaron S. Blumenthal	066749-3961

CONFIRMATION NO. 8434

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

PUBLICATION NOTICE



OC00000064384005

Date Mailed: 11/09/2023

Title: Tool Attachment System

Publication No. US-2023-0354987-A1

Publication Date: 11/09/2023

NOTICE OF PUBLICATION OF APPLICATION

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

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

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

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

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

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

TO: IPAdmin@reinhardtllaw.com
FROM: noreply@uspto.gov
CC: patentcenter_eofficeaction@uspto.gov
SUBJECT: USPTO: Patent Electronic System - Correspondence Notification for Customer Number 142078

Thu Nov 09 06:20:42 EST 2023

Dear Patent Center Customer:

Correspondence Address:

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

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Application	Document	Mailroom Date	Attorney Docket No.
18356881	NTC.PUB	11/09/2023	066749-3961

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Sincerely,

The Patent Center Team

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Milwaukee Electric Tool Corporation

Title: Tool Attachment System

Appl. No.: 18/356,881

Filing Date: July 21, 2023

Examiner: BRIAN D NASH

Art Unit: 3734

Confirmation Number: 8434

TRANSMITTAL OF SUBSTITUTE STATEMENT AND DECLARATIONS

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

In response to the declaration notice dated October 2, 2023, submitted herewith is a “Substitute Statement In Lieu of an Oath or Declaration for Utility or Design Patent Application” for inventor Christopher S. Hoppe originally filed in the immediate parent application. This substitute statement is being filed to correct Mr. Hoppe’s improperly formatted e-signature in the accompanying declaration, which was originally executed for the ultimate grand-parent application. As shown in the accompanying substitute statement, Mr. Hoppe could not be reached after diligent effort to obtain a newly executed declaration with a properly formatted signature.

Also submitted herewith is a properly executed declaration for the remaining inventors Aaron S. Blumenthal and Jason D. Thurner executed in relation to the parent application.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 18-0882.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date November 22, 2023

By /James D. Borchardt/

Reinhart Boerner Van Deuren s.c.
Customer Number: 142078
Telephone: (414) 298-8160
Facsimile: (414) 298-8097

James D. Borchardt
Attorney for Applicant
Registration No. 62,025

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
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By fax, send to: (571)-273-2885

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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.

142078 7590 09/28/2023
Reinhart (Milwaukee Tool)
ATTN: TRAVIS MCDONNELL, PARALEGAL
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SUITE 2100
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Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/356,881	07/21/2023	Aaron S. Blumenthal	066749-3961	8434
TITLE OF INVENTION: Tool Attachment System				

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	12/28/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
NASH, BRIAN D	3734	224-197000

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

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

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

2. For printing on the patent front page, list

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

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

1 Reinhart Boerner Van Deuren s.c.

2

3

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

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

(A) NAME OF ASSIGNEE

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

Milwaukee Electric Tool Corporation

Brookfield, Wisconsin

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

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

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

☒ Electronic Payment via Patent Center or EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

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

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

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

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

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

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

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

Authorized Signature /James D. Borchardt/

Date November 22, 2023

Typed or printed name James D. Borchardt

Registration No. 62,025

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I HEREBY DECLARE:

THAT my residence, post office address, and citizenship are as stated below next to my name;

THAT I believe I am the original inventor or an original joint inventor of a claimed invention in the application identified below

TOOL ATTACHMENT SYSTEM

(Attorney Docket No. 066749-2568)

the specification of which (check one)

☐ is attached hereto.

☒ was filed on February 11, 2020 as PCT International Application Number PCT/US2020/017742.

THAT the above-identified application was made or authorized by me;

THAT I do not know and do not believe that the same invention was invented by another and was patented, described in any printed publication, in public use, on sale or otherwise available to the public in any country, prior to the effective filing date of this United States application or before I (we) had publicly disclosed the invention (if applicable);

THAT I do not know and do not believe that the same invention was patented, described in any printed publication, in public use, on sale or otherwise available to the public in any country, for more than one year prior to the effective filing date of this United States application;

THAT I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above;

THAT I believe that the above-identified specification contains a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the invention, and sets forth the best mode contemplated by me of carrying out the invention; and

THAT I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I HEREBY CLAIM foreign priority benefits under Title 35, United States Code §119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number	Country	Foreign Filing Date	Priority Claimed?	Certified Copy Attached?

I HEREBY CLAIM the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

U.S. Provisional Application Number	Filing Date
62/804,547	February 12, 2019

I HEREBY CLAIM the benefit under Title 35, United States Code, §120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Application Number	Parent Filing Date	Parent Patent Number

I HEREBY APPOINT the registered attorneys and agents at Customer Number

142078

to have full power to prosecute this application and any continuations, divisions, reissues, and reexaminations thereof, to receive the patent, and to transact all business in the United States Patent and Trademark Office connected therewith.

I request that all correspondence be directed to:

James D. Borchardt
Reinhart Boerner Van Deuren s.c.
Customer Number: 142078

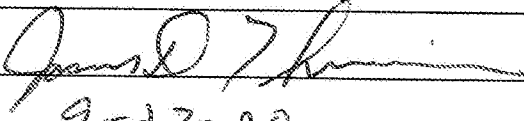
Telephone: (414) 298-8160
Facsimile: (414) 298-8097

I UNDERSTAND AND AGREE THAT the foregoing attorneys and agents appointed by me to prosecute this application do not personally represent me or my legal interests, but instead represent the interests of the legal owner(s) of the invention described in this 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.

Name of first inventor	Aaron S. Blumenthal
Residence	Wauwatosa, Wisconsin
Citizenship Country	U.S.
Post Office Address	~~2624 North 62nd Street, Wauwatosa, Wisconsin 53213~~
Inventor's signature	
Date	6 Oct 2020

4443 N
Woodburn, ~~Shorewood~~
WI, 53211

Name of second inventor	Jason D. Thurner
Residence	Menomonee Falls, Wisconsin
Citizenship Country	U.S.
Post Office Address	N87W15705 Bellevue Blvd., Menomonee Falls, Wisconsin 53051
Inventor's signature	
Date	9-23-20

Name of third inventor	Christopher S. Hoppe
Residence	Milwaukee, Wisconsin
Citizenship Country	U.S.
Post Office Address	3126 South Burrell Street, Milwaukee, Wisconsin 53207
Inventor's signature	<i>Christopher Hoppe</i> Christopher Hoppe (Oct 20 2020 10:28 AM)
Date	2020-10-20



ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/356,881

RECEIPT DATE / TIME
11/22/2023 02:29:05 PM Z ET

ATTORNEY DOCKET #
066749-3961

Title of Invention

Tool Attachment System

Application Information

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

PATENT # -

CONFIRMATION # 8434

FILED BY Sarah Sesterhenn-Lee

PATENT CENTER # 63356566

FILING DATE 07/21/2023

CUSTOMER # 142078

FIRST NAMED
INVENTOR Aaron S. Blumenthal

CORRESPONDENCE
ADDRESS -

AUTHORIZED BY James Borchardt

Documents

TOTAL DOCUMENTS: 5

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
066749-3961-Issue_Fee_Transmittal.pdf	2	Transmittal Letter	90 KB
066749-3961_PTOL.pdf	1	Issue Fee Payment (PTO-85B)	261 KB
066749-3961_Substitute_Statement_Transmittal.pdf	2	Transmittal Letter	89 KB
066749-3961_Substitute_Statement.pdf	2	Oath or Declaration filed	831 KB
066749-3961-Declaration.pdf	5	Oath or Declaration filed	1869 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
066749-3961-Issue_Fee_Transmittal.pdf	0915BE2860EE0EF9ADD6E09511026F1D8EC1284CEF7C663B17705D23F1B8F2DB313573AB282B692F168D9BA67306E9C61129A130C63BECEA15DF98319CB0D58C
066749-3961_PTOL.pdf	16DECDA03AA2E242B264BB74A0FE9B94FDF466240308C88A214824080E050B646D9843C1A00F3F56F53C3A508EAA640A5959CE9E2C9D32037043A2C710E2ED8D
066749-3961_Substitute_Statement_Transmittal.pdf	D33724490E8B7BE24BAA292647366A782DCA6DEF72CBBD648FA3C5E34B4BA80614813C8EC17CCB2ABE6E3D6E4FAEC6E71BD7F26C907607F9EE6D9A52E738A0B7
066749-3961_Substitute_Statement.pdf	6304E7E6226AA11612417845F8E3F3EA710E95D1BC8F6228D60E2A935647FF951B46DAAEFE48F66EABBAEAC5B5204D99B1EF41419F09AFA827D85AD5D4BE4449
066749-3961-Declaration.pdf	65B72BD2E0B20A5FD1AECCE56AA929D250FB3B88E09D06564301CE1408DFFC329BF594E36BF752B1F1F84327236BEC9CE8B4216BB71C20937CF6D9AC96DD3D388

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New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Milwaukee Electric Tool Corporation
Title: Tool Attachment System
Appl. No.: 18/356,881
Filing Date: July 21, 2023
Examiner: BRIAN D NASH
Art Unit: 3734
Confirmation No.: 8434

ISSUE FEE TRANSMITTAL

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

Enclosed herewith please find Issue Fee Transmittal Form PTOL-85(B).

COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE

On pages 2-3 of the Notice of Allowability dated September 28, 2023, the Examiner set forth various reasons for allowance. While the Applicant agrees that the allowed claims recite a combination of subject matter that is patentable over the cited references, the Applicant notes that the recited subject matter as well as various other subject matter and/or combinations of subject matter may be patentable for other reasons than those given by the Examiner. The Applicant expressly reserves the right to set forth additional and/or alternative reasons for patentability and/or allowance in connection with the present Application or in any other future proceeding.

REMARKS

These Comments on Statement of Reasons for Allowance under 37 C.F.R. § 1.104 are intended to be responsive to the Notice of Allowance dated September 28, 2023.

The requisite fees for payment of the Issue Fee are being charged to Deposit Account No. 18-0882.

Also submitted herewith is an inventor declaration and substitute statement in response to response to the declaration notice dated October 2, 2023.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 18-0882.

Respectfully submitted,

Date November 22, 2023

By /James D. Borchardt/

Reinhart Boerner Van Deuren s.c.
Customer Number: 142078
Telephone: (414) 298-8160
Facsimile: (414) 298-8097

James D. Borchardt
Attorney for Applicant
Registration No. 62,025



ELECTRONIC PAYMENT RECEIPT

APPLICATION #
18/356,881

RECEIPT DATE / TIME
11/22/2023 02:29:05 PM Z ET

ATTORNEY DOCKET #
066749-3961

Title of Invention

Tool Attachment System

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FILED BY Sarah Sesterhenn-Lee

PATENT CENTER # 63356566

AUTHORIZED BY James Borchardt

CUSTOMER # 142078

FILING DATE 07/21/2023

CORRESPONDENCE ADDRESS -

FIRST NAMED INVENTOR Aaron S. Blumenthal

Payment Information

PAYMENT METHOD
DA / 180882

PAYMENT TRANSACTION ID
E2023ALE29468906

PAYMENT AUTHORIZED BY
Sarah Sesterhenn-Lee

PRE-AUTHORIZED ACCOUNT
180882

PRE-AUTHORIZED CATEGORY

37 CFR 1.16 (National application filing, search, and examination fees); 37 CFR 1.17 (Patent application and reexamination processing fees); 37 CFR 1.19 (Document supply fees); 37 CFR 1.20 (Post Issuance fees); 37 CFR 1.21 (Miscellaneous fees and charges)

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

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Receipt will establish the filing date of the application

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**SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY
OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)**

Title of Invention	Tool Attachment System		
This statement is directed to:			
☐ The attached application,			
OR			
☒ United States application or PCT international application number <u>18/311,059</u> filed on <u>May 2, 2023</u>			
LEGAL NAME of inventor to whom this substitute statement applies:			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Christopher S. Hoppe			
Residence (except for a deceased or legally incapacitated inventor):			
City	Midvale	State	UT
Country	US		
Mailing Address (except for a deceased or legally incapacitated inventor):			
7491 Union Mill Court			
City	Midvale	State	UT
Zip	84047	Country	US
I believe the above-named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application.			
The above-identified application was made or authorized to be made by me.			
I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.			
Relationship to the inventor to whom this substitute statement applies:			
☐ Legal Representative (for deceased or legally incapacitated inventor only),			
☒ Assignee,			
☐ Person to whom the inventor is under an obligation to assign,			
☐ Person who otherwise shows a sufficient proprietary interest in the matter (petition under 37 CFR 1.46 is required), or			
☐ Joint Inventor.			

[Page 1 of 2]

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

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SUBSTITUTE STATEMENT

Circumstances permitting execution of this substitute statement:

- ☐ Inventor is deceased.
- ☐ Inventor is under legal incapacity.
- ☒ Inventor cannot be found or reached after diligent effort, or
- ☐ Inventor has refused to execute the oath or declaration under 37 CFR 1.63.

If there are joint inventors, please check the appropriate box below:

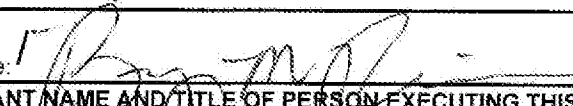
- ☒ An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) naming the entire inventive entity has been or is currently submitted.

OR

- ☐ An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute Statement Supplemental Sheet (PTO/AIA/11 or equivalent) naming the entire inventive entity and providing inventor information is attached. See 37 CFR 1.64(b).

WARNING:

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

PERSON EXECUTING THIS SUBSTITUTE STATEMENT:Name: **Brendyn Reinecke**10/24/23
Date (Optional):Signature: **APPLICANT NAME AND TITLE OF PERSON EXECUTING THIS SUBSTITUTE STATEMENT:**

If the applicant is a juristic entity, list the applicant name and the title of the signer:

Milwaukee Electric Tool Corporation

Applicant Name:

Title of Person Executing
This Substitute Statement: **Patent Attorney**

The signer, whose title is supplied above, is authorized to act on behalf of the applicant.

Residence of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent):City **Brookfield**State **WI**Country **US****Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent)****13135 West Lisbon Road**City **Brookfield**State **WI**Zip **53005**Country **US**

Note: Use an additional PTO/AIA/02 form for each inventor who is deceased, legally incapacitated, cannot be found or reached after diligent effort, or has refused to execute the oath or declaration under 37 CFR 1.63.



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United States Patent and Trademark Office
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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/356,881	01/02/2024	11857064	066749-3961	8434

142078 7590 12/13/2023
Reinhart (Milwaukee Tool)
ATTN: TRAVIS MCDONNELL, PARALEGAL
1000 NORTH WATER STREET
SUITE 2100
MILWAUKEE, WI 53202

ISSUE NOTIFICATION

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

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

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

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

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

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

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

Aaron S. Blumenthal, Shorewood, WI;
Jason D. Thurner, Menomonee Falls, WI;
Christopher S. Hoppe, Midvale, UT;

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

Milwaukee Electric Tool Corporation, Brookfield, WI;

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TO: IPAdmin@reinhardtllaw.com
FROM: noreply@uspto.gov
CC: patentcenter_eofficeaction@uspto.gov
SUBJECT: USPTO: Patent Electronic System - Correspondence Notification for Customer Number 142078

Thu Dec 14 06:09:16 EST 2023

Dear Patent Center Customer:

Correspondence Address:

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

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Application	Document	Mailroom Date	Attorney Docket No.
18356881	ISSUE.NTF	12/13/2023	066749-3961

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If you have any questions, please contact the [Patent Electronic Business Center](#) (EBC) at ebc@uspto.gov or 866-217-9197 Monday – Friday, 6 a.m. to midnight ET.

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Sincerely,

The Patent Center Team



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/356,881	07/21/2023	Aaron S. Blumenthal	066749-3961	8434
142078	7590	01/02/2024		
Reinhart (Milwaukee Tool)			EXAMINER	
ATTN: TRAVIS MCDONNELL, PARALEGAL			NASH, BRIAN D	
1000 NORTH WATER STREET				
SUITE 2100			ART UNIT	PAPER NUMBER
MILWAUKEE, WI 53202			3734	
			NOTIFICATION DATE	DELIVERY MODE
			01/02/2024	ELECTRONIC

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

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

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

IPAdmin@reinhartlaw.com



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APPLICATION NO.	ISSUE DATE	PATENT NO.
18/356,881	02-Jan-2024	11857064

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

EGRANT NOTIFICATION

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

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

TO: IPAdmin@reinhardtllaw.com
FROM: noreply@uspto.gov
CC: patentcenter_eofficeaction@uspto.gov
SUBJECT: USPTO: Patent Electronic System - eGrant Notification for Customer Number 142078

Tue Jan 02 06:23:48 EST 2024

Dear Patent Center Customer:

Correspondence Address:

Reinhart (Milwaukee Tool)
ATTN: TRAVIS MCDONNELL, PARALEGAL
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UNITED STATES

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Application	Patent	Document	Mailroom Date	Attorney Docket No.
18356881	11857064	EGRANT.NTF	01/02/2024	066749-3961

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Sincerely,

The Patent Center Team