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**IN THE UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF ARIZONA
PHOENIX DIVISION**

**ABC IP, LLC, a Delaware limited
liability company,**

and

**Rare Breed Triggers, Inc., a Texas
corporation,**

Plaintiffs.

v.

**Cactus Ammo LLC, an Arizona limited
liability company,**

and

Grant William Bourne, an individual,

Defendants.

CASE NO. _____

**COMPLAINT FOR PATENT
INFRINGEMENT**

JURY TRIAL DEMANDED

This is an action for patent infringement in which ABC IP LLC (“ABC”) and Rare Breed Triggers, Inc. (“Rare Breed”) (collectively, “Plaintiffs”) accuse Cactus Ammo LLC and Grant William Bourne (collectively, “Defendants”) of infringing U.S. Patent Nos. 12,038,247, 12,031,784, 12,578,159, and 12,636,403 as follows:

PARTIES

1. ABC is a limited liability company organized under the laws of the State of Delaware with an address at 8 The Green, Suite A, Dover, Delaware 19901.

2. Rare Breed is a Texas corporation having a place of business at 2710 Central Freeway, Suite 150-151, Wichita Falls, TX 76306.

3. Upon information and belief, Cactus Ammo LLC is a limited liability company organized under the laws of Arizona with an address of 15321 N 135th Drive, Surprise, AZ 85379.

4. Upon information and belief, Grant William Bourne is an individual residing at 15321 N 135th Drive, Surprise, AZ 85379, who is an owner of Cactus Ammo LLC and directs its operations, including directing Cactus Ammo LLC to sell products in violation of the Asserted Patents.

JURISDICTION AND VENUE

5. This is an action for patent infringement arising under 35 U.S.C. §§ 271(a)–(c), 281, and 284–85.

6. This Court has subject matter jurisdiction over this action under 28 U.S.C. § 1338, which directs that United States District Courts shall have original jurisdiction of any civil action arising under any Act of Congress relating to patents and pursuant to 28 U.S.C. § 1331, which pertains to civil actions arising under the laws of the United States.

7. Personal jurisdiction over Defendants is proper in this District because the Defendants reside in and have a regular and established place of business in this District.

8. Venue is proper in this district pursuant to 28 U.S.C. § 1400(b). Defendants reside in or have committed acts of infringement and have a regular and established place of business in this District.

BACKGROUND

9. This lawsuit asserts direct, contributory, and induced infringement of U.S. Patent Nos. 12,038,247 (“the ’247 Patent”), 12,031,784 (“the ’784 Patent”), 12,578,159 (“the ’159 Patent”), and 12,636,403 (“the ’403 Patent”) (together, “the Asserted Patents”).

10. The ’247 Patent was lawfully and properly issued by the United States Patent and Trademark Office on July 16, 2024. Each and every claim of the ’247 Patent is valid and enforceable. A true and correct copy of the ’247 Patent is attached as Exhibit A.

11. The ’784 Patent was lawfully and properly issued by the United States Patent and Trademark Office on July 9, 2024. Each and every claim of the ’784 Patent is valid and enforceable. A true and correct copy of the ’784 Patent is attached as Exhibit B.

12. The ’159 Patent was lawfully and properly issued by the United States Patent and Trademark Office on March 17, 2026. Each and every claim of the ’159 Patent is valid and enforceable. A true and correct copy of the ’159 Patent is attached as Exhibit C.

13. The ’403 Patent was lawfully and properly issued by the United States Patent and Trademark Office on May 26, 2026. Each and every claim of the ’403 Patent is valid and enforceable. A true and correct copy of the ’403 Patent is attached as Exhibit D.

14. ABC is the current owner by assignment of all right, title and interest in and to the Asserted Patents. These assignments have been recorded at the United States Patent and Trademark Office (“USPTO”).

15. Rare Breed is the exclusive licensee of the Asserted Patents.

16. Plaintiffs have complied with the requirements of 35 U.S.C. § 287 either because the Asserted Patents are not practiced by ABC or any licensee and/or because any licensee has been required to mark its product.

17. Upon information and belief, Defendants have committed acts of direct, contributory, and induced patent infringement, which will be described in more detail below. These acts are in violation of 35 U.S.C. § 271 and should be considered willful.

THE INVENTIONS

18. A typical AR15-pattern firearm, for example, is considered a semiautomatic firearm. The operation of a *standard disconnecter* AR-pattern trigger mechanism is commenced by the trigger member being pulled by the user. The trigger member releases the hammer from the trigger sear and allows the hammer to strike the firing pin. A portion of the propellant gas is used to begin the process of sending the bolt carrier to the rear of the firearm. The rearward movement of bolt carrier cocks the hammer on the disconnecter and then the bolt is allowed to return forward into battery with a new round inserted into the chamber. While this is happening, in the standard AR-pattern semiautomatic trigger, the user can either continue to hold the trigger member in a pulled (i.e., fired) state or allow the trigger to return to its reset state, in which the sear, rather than the disconnecter, engages and holds the hammer in a cocked position. When the user reduces pressure on the trigger member to allow the trigger spring to reset the trigger member, the disconnecter releases the hammer to engage the trigger sear.

19. In the standard AR-pattern trigger assembly, the purpose of the disconnecter is to hold the hammer in a cocked position until the trigger member is reset by a trigger spring when the user lets the trigger reset. The disconnecter allows the firearm to be fired only a single time when the trigger is pulled and held, because the user is not typically able to manually reset the trigger rapidly enough so that the sear engages before the bolt carrier or bolt returns to its in-battery position. The disconnecter prevents the firearm from either firing multiple rounds on a single pull of the trigger, or from allowing the hammer to simply “follow” the bolt carrier as it returns to battery without firing a second round, leaving the hammer uncocked.

20. In contrast, in what Plaintiffs have coined a “forced reset” trigger mechanism, cycling of the bolt carrier or bolt causes the trigger member to be mechanically moved to the reset position and hold the trigger member there until the bolt or bolt carrier is back in battery, when it is safe for the user to pull the trigger again, without the need for a disconnecter.

21. The ’247 and ’159 Patents provide a novel device for accelerating the firing sequence of any semiautomatic firearm, in contrast to a standard semiautomatic trigger or other prior art devices that allow an accelerated rate of semiautomatic firing. The device can be selected to operate in either a standard semiautomatic mode or a “forced reset” semiautomatic mode and uses a cam, rotated by cycling of the action, to cause the trigger member to reset and prevent the trigger member from being pulled again until the action has returned to the in-battery position.

22. The ’784 Patent provides a device that works in a trigger system as an extended trigger member locking mechanism for use with a semi-automatic firearm that employs, in some embodiments, a “deflectable extension of the locking member that is actuated by forward movement of the bolt carrier,” among other innovations as explicitly claimed. Certain inventions of the ’784 Patent overcome the geometric limitations of prior art designs for use in multiple and varied semi-automatic firearm designs by allowing a locking member to deflect or fold separately from the body portion of the locking member when contacted by the forward portion of the bolt carrier as it cycles to the rear.

23. The ’403 Patent describes and claims a similarly operating device with the additional feature that it can be selected to operate in either of two distinct modes: 1) standard disconnecter semiautomatic mode and 2) “forced reset” semiautomatic mode.

24. The claims of the patents define the scope of the patented inventions.

THE INFRINGING DEVICE

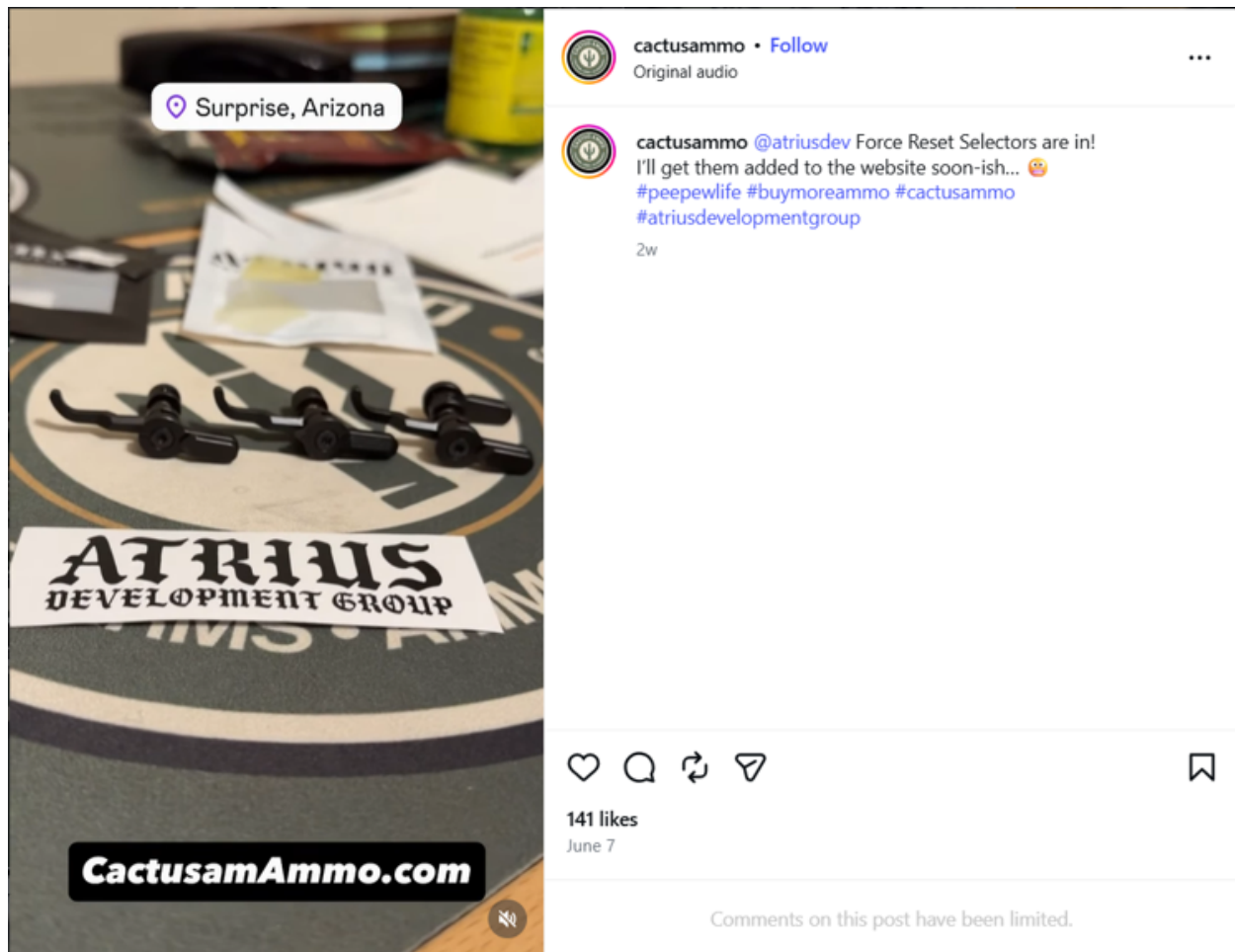
25. On information and belief, Defendants previously or are currently making, using, selling, and/or offering for sale products that embody the technology claimed in the Asserted Patents, including a (3-Position) “Atrius Forced Reset Selector” (“the Atrius Selector”), which embodies the technology claimed in at least the ’247, ’784, ’159, and ’403 Patents.

26. On information and belief, Defendants previously or are currently making, using, selling, and/or offering for sale the Atrius Selector via at least the websites <https://www.facebook.com/CactusAmmo/> and <https://www.instagram.com/cactusammo/>, in multiple variants, including at least:

- a. As a standalone product; and/or
- a. In conjunction with separate trigger mechanism parts; and/or
- b. Pre-installed in a receiver and/or complete firearm.

27. Exemplary photographs are shown below:





28. The Atrius Selector can operate in a “disconnecter mode,” which is much like that of a standard AR-15 trigger. The user can switch between safe, standard semiautomatic with disconnecter, and “forced reset” semiautomatic with cam modes by rotating the safety selector between positions.

COUNT I — INFRINGEMENT OF THE '247 PATENT

29. Plaintiffs re-allege and incorporate the allegations of the preceding paragraphs as if fully set forth herein.

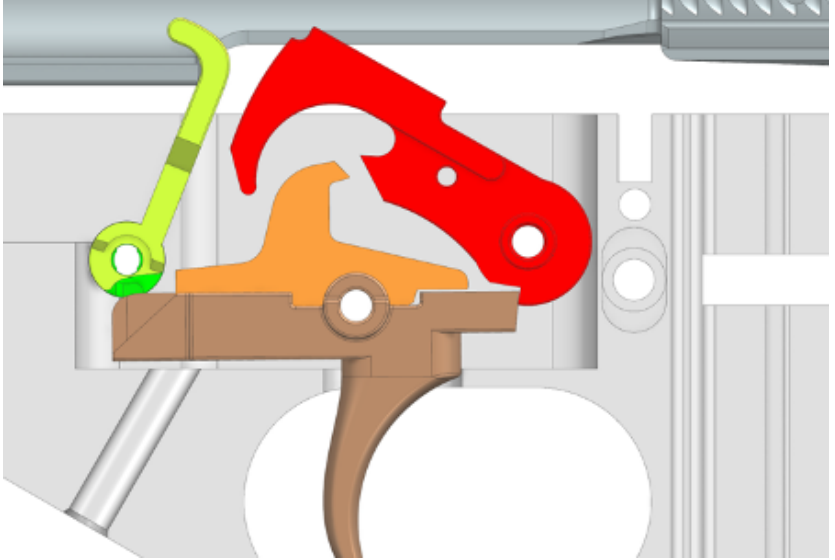
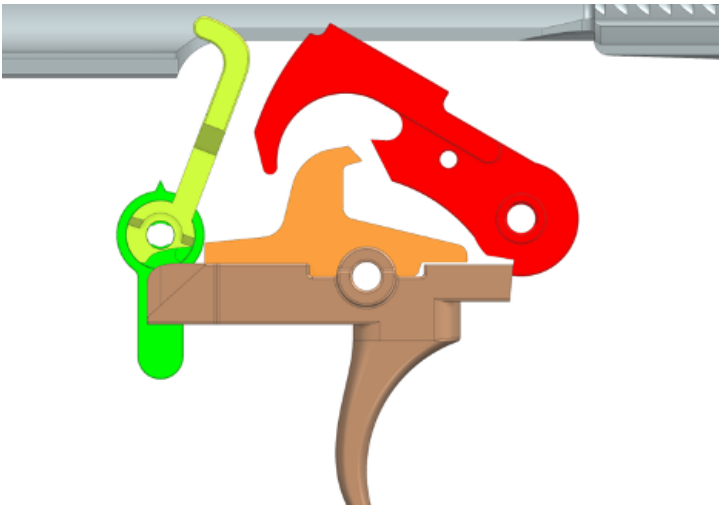
30. In violation of 35 U.S.C. § 271, Defendants have infringed, induced others to infringe, and/or contributed to the infringement of one or more claims of the '247 Patent, including but not limited to claim 15, literally and/or under the doctrine of equivalents, by among other

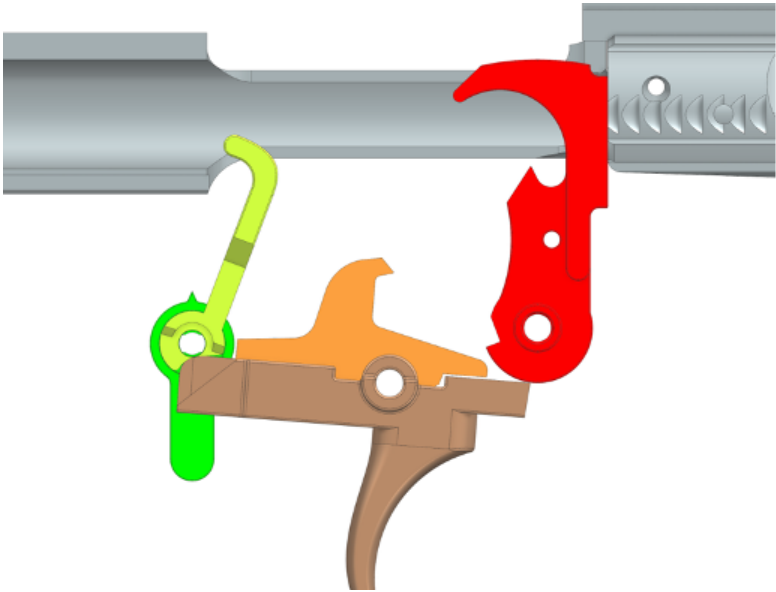
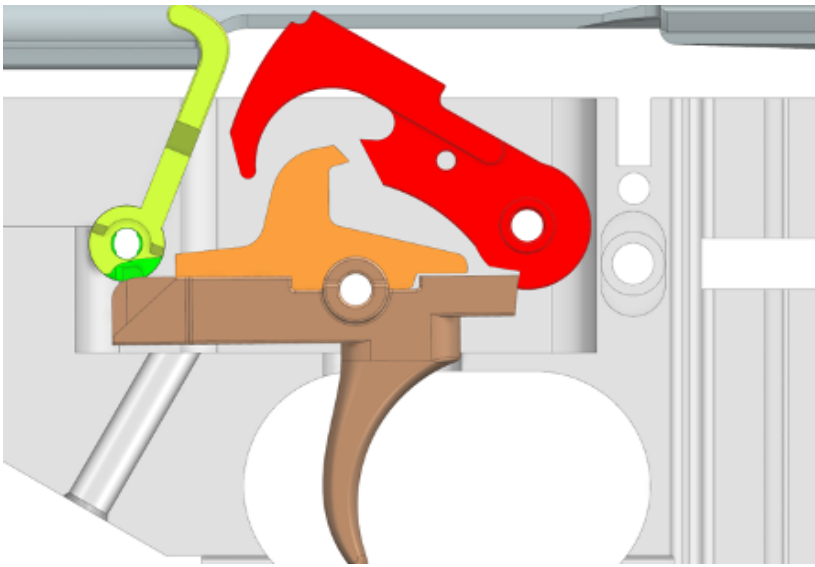
things, making, using, offering for sale, selling, and/or importing into the United States unlicensed products in a manner that infringes the '247 Patent. Such unlicensed products include the Atrius Selector.

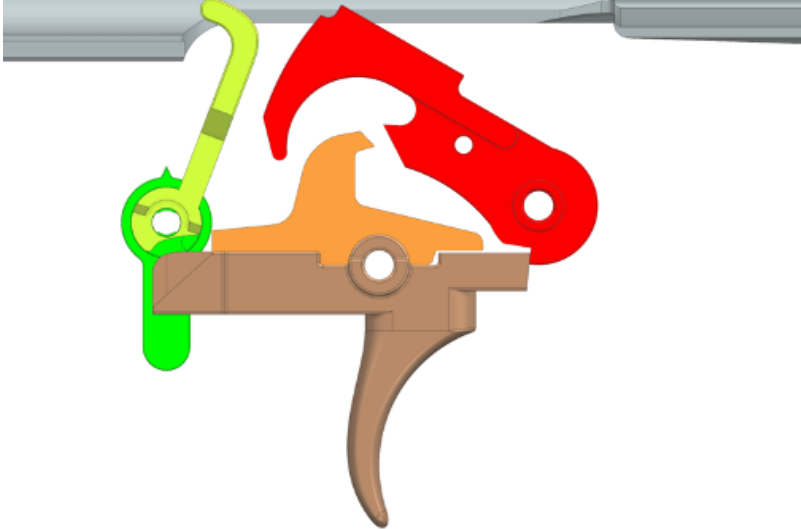
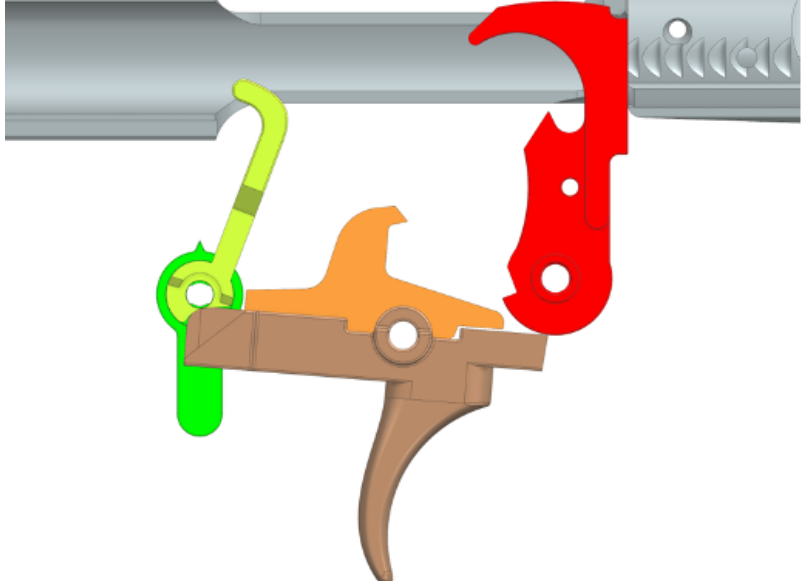
31. On information and belief, Defendants have and continue to willfully infringe, induce others to infringe, and/or contribute to the infringement of one or more claims of the '247 Patent, including but not limited to claim 15, literally and/or under the doctrine of equivalents.

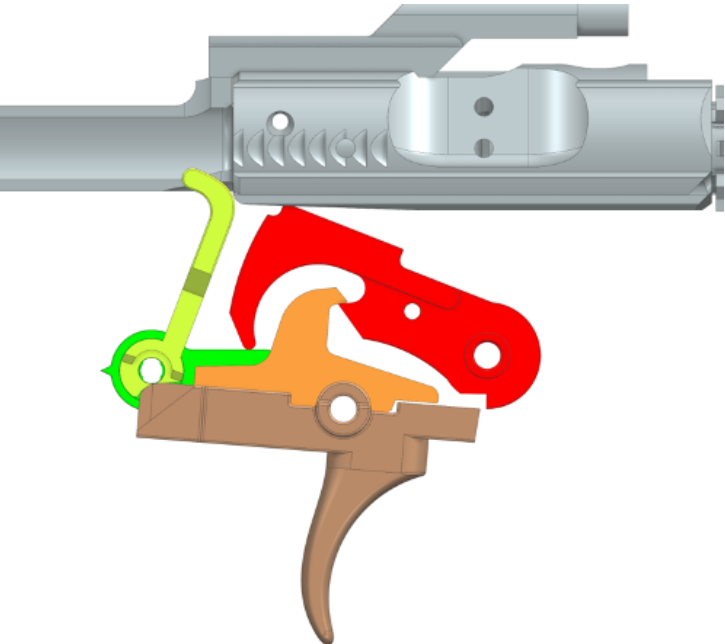
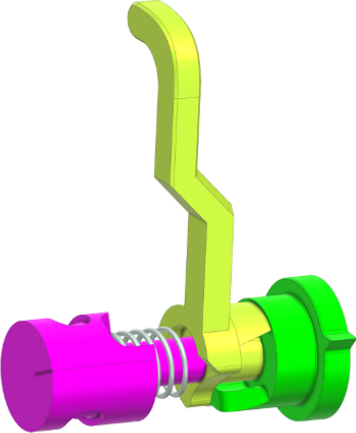
32. An exemplary comparison of the Atrius Selector, when assembled and used as intended, with claim 15 of the '247 Patent, is illustrated in the chart below:

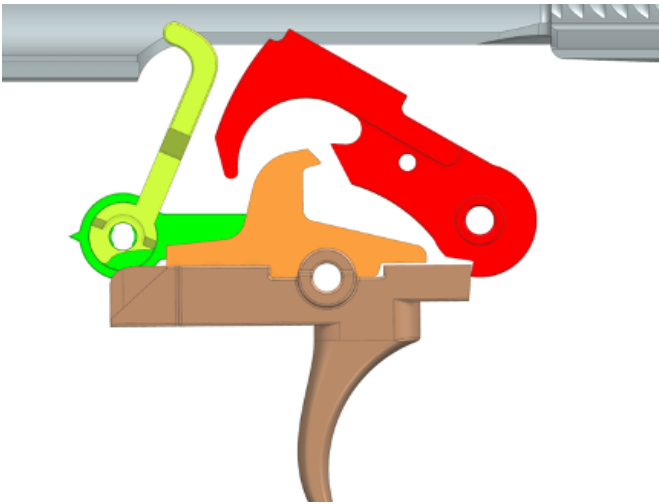
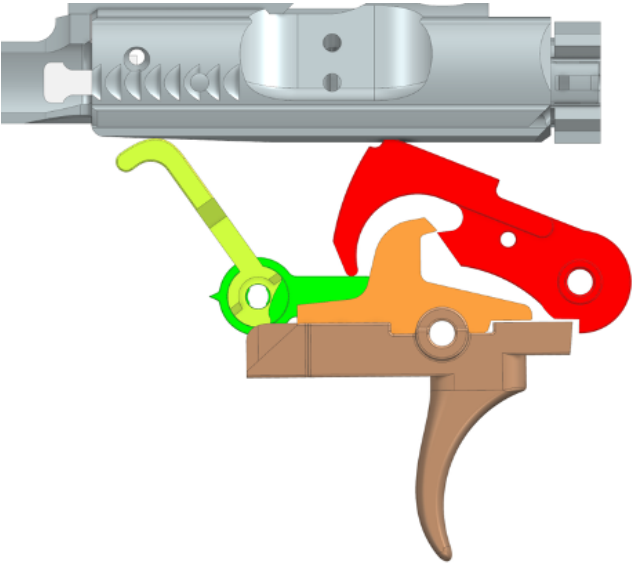
'247 Patent, Claim 15	The Atrius Selector
15. A firearm trigger mechanism comprising:	When installed and used as directed, the Atrius Selector is part of a trigger mechanism and functions as a cam that in at least one mode, both causes the reset of the trigger and locks the trigger during the cycle of operation.  https://www.facebook.com/CactusAmmo/ and https://www.instagram.com/cactusammo/  Atrius Selector
a hammer having a sear catch and a hook for engaging a disconnector and adapted to be mounted	The Atrius Selector (yellow) is installed in a fire control mechanism pocket of a receiver along with a hammer (red) that has a sear catch and a hook for engaging a disconnector (orange).

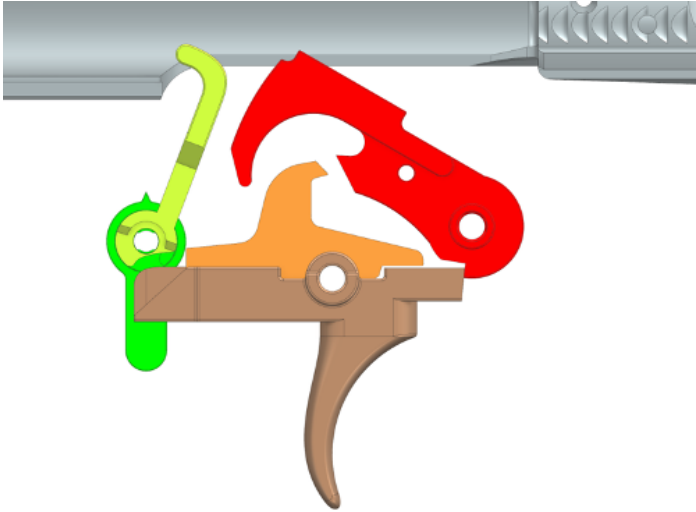
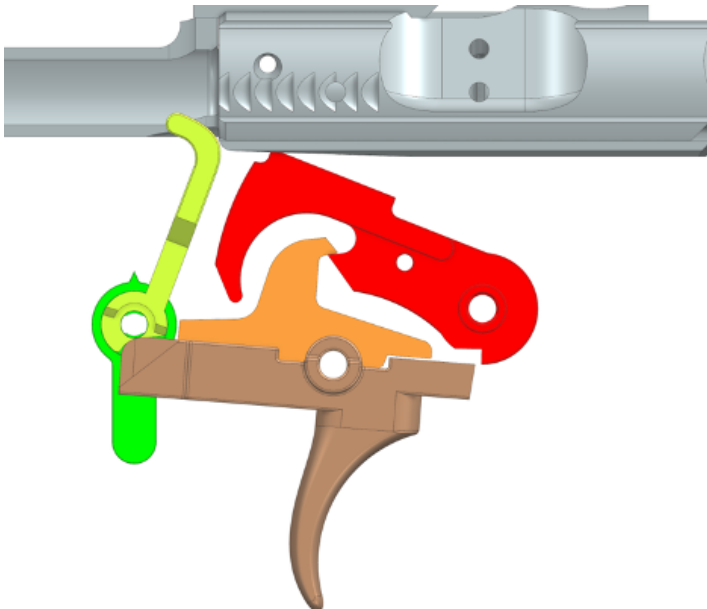
'247 Patent, Claim 15	The Atrius Selector
in a fire control mechanism pocket of a receiver	 (Plaintiff-generated renderings of Atrius Selector here and below)
to pivot on a transverse hammer pivot axis between set and released positions, said hammer adapted to be pivoted rearward by rearward movement of a bolt carrier,	The hammer (red) pivots on a transverse hammer pivot axis between set and released positions, depicted below. The hammer is adapted to be pivoted rearward by rearward movement of a bolt carrier.  Hammer Set Position

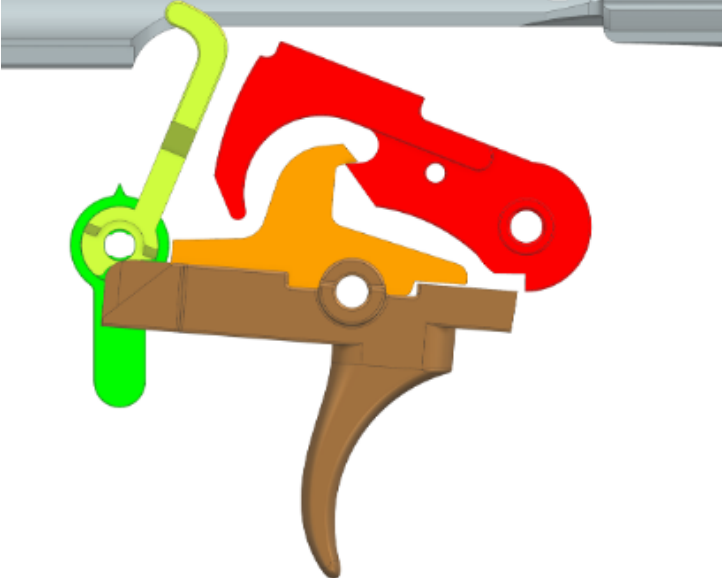
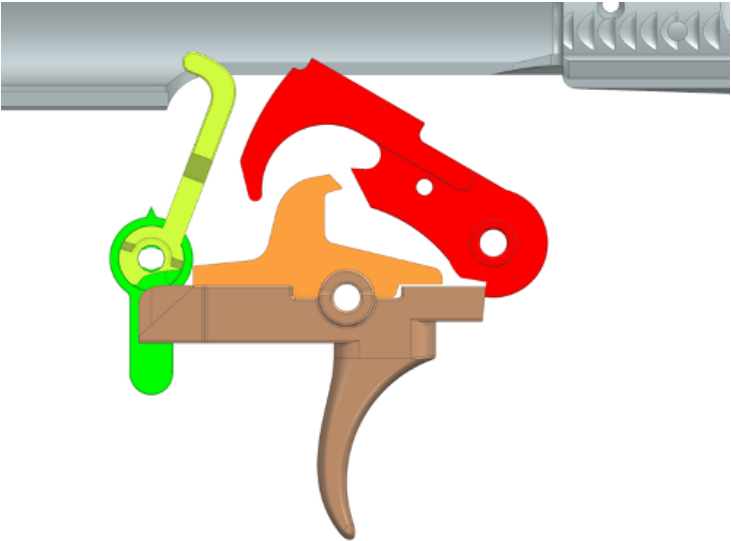
'247 Patent, Claim 15	The Atrius Selector
	 Hammer Released Position
a trigger member having a sear and adapted to be mounted in the fire control mechanism pocket to pivot on a transverse trigger member pivot axis between set and released positions,	The Atrius Selector (yellow) is installed with a trigger member (brown) in the fire control mechanism pocket that pivots on a transverse trigger member pivot axis between set and released positions and has a sear. The trigger member (brown) has a sear. 

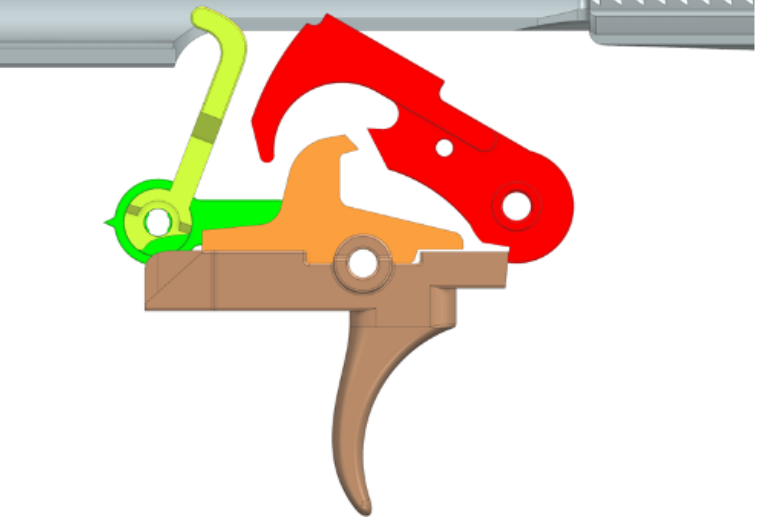
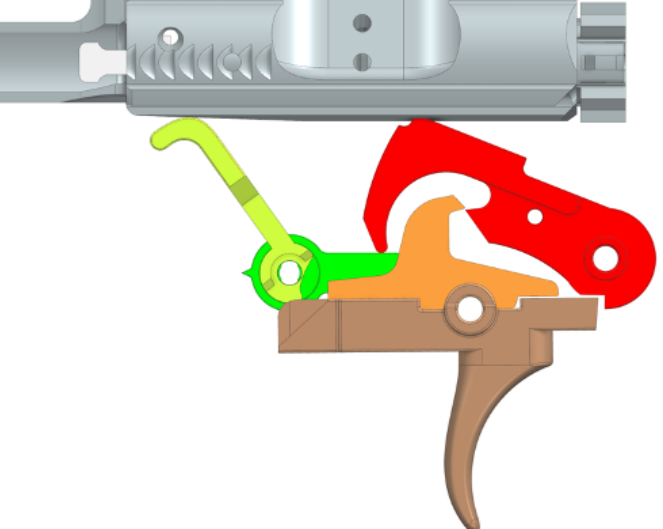
'247 Patent, Claim 15	The Atrius Selector
wherein said sear and sear catch are in engagement in said set positions of said hammer and trigger member	The sear of the trigger member (brown) and sear catch of the hammer (red) are in engagement when the hammer and trigger member are in their set positions.  (Trigger Member Set Position Above)
and are out of engagement in said released positions of said hammer and trigger member,	The sear of the trigger member (brown) and sear catch of the hammer (red) are out of engagement in the released position.  Trigger Member Released Position
said disconnecter having a hook for engaging said hammer and adapted to be mounted in the fire control	The disconnecter (orange) is adapted to be mounted in the fire control mechanism pocket to pivot on a transverse disconnecter

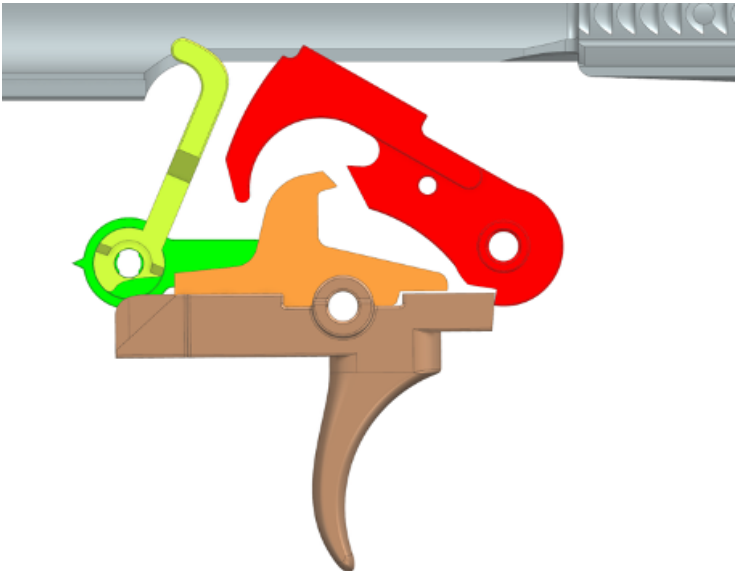
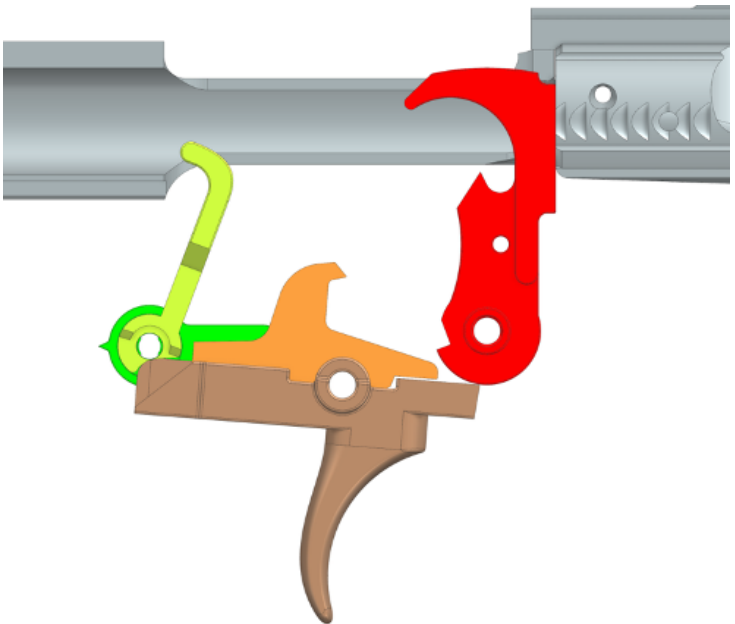
'247 Patent, Claim 15	The Atrius Selector
mechanism pocket to pivot on a transverse disconnecter pivot axis,	pivot axis. The disconnecter has a hook for engaging the hammer (red).  The image shows a 3D CAD model of a firearm mechanism. A grey hammer is positioned at the top. Below it, a red hammer is shown in a pivoted position, with its hook engaged with a brown disconnecter. A yellow lever is also visible, pivoting on a green axis. The entire assembly is mounted on a brown base. Disconnecter Hook Engaged
and a cam having a cam lobe and adapted to be movably mounted in the fire control mechanism pocket,	The Atrius Selector has a cam and lever that is adapted to be movably mounted in the fire control mechanism pocket. (See image above depicting Atrius Selector, shown in yellow, in fire control mechanism pocket)  The image shows a 3D CAD model of the Atrius Selector cam and lever assembly. It consists of a yellow lever pivoted on a green axis, which is mounted on a purple cam. The cam has a lobe that interacts with the lever. The entire assembly is shown in a perspective view. Atrius Selector Cam with Lobe and Lever

'247 Patent, Claim 15	The Atrius Selector
said cam being movable between a first position and a second position, in said second position said cam lobe forces said trigger member towards said set position,	The cam is movable between a first position and a second position.  Cam and Lobe First Position In the second position, the cam lobe mechanically moves the trigger member (brown) toward the set position when the cam is in the “forced reset” semi-automatic mode.  Cam and Lobe Second Position

'247 Patent, Claim 15	The Atrius Selector
whereupon in a standard semi-automatic mode, said cam is in said first position,	During at least part of the cycle in the standard semi-automatic mode, the cam is in the first position. 
rearward movement of the bolt carrier causes rearward pivoting of said hammer such that said disconnector hook catches said hammer hook,	Rearward movement of the bolt carrier causes rearward pivoting of the hammer (red) such that the disconnector (orange) hook catches the hammer hook. 
and thereafter the bolt carrier moves forward into battery,	Thereafter, the bolt carrier moves forward into battery,

'247 Patent, Claim 15	The Atrius Selector
	 A 3D perspective diagram of a firearm's trigger assembly. The trigger member is brown and in a cocked position. The hammer is red and is held back by an orange disconnect. A green safety selector lever is in the 'safe' position. The mechanism is mounted on a grey frame.
at which time a user must manually release said trigger member to free said hammer from said disconnecter to permit said hammer and trigger member to pivot to said set positions so that the user can pull said trigger member to fire the firearm, and	at which time a user must manually release the trigger member (brown) to free said hammer (red) from the disconnecter (orange) to permit the hammer and trigger member to pivot to the set positions so that the user can pull the trigger member to fire the firearm  A 3D perspective diagram of the same trigger assembly. The trigger member (brown) has been released and is now in a ready position. The hammer (red) has pivoted forward from the orange disconnecter. The green safety selector lever remains in the 'safe' position. The mechanism is mounted on a grey frame.

'247 Patent, Claim 15	The Atrius Selector
whereupon in a forced reset semi-automatic mode,	When in the “forced reset” semi-automatic mode,  This diagram shows a cross-sectional view of the Atrius Selector mechanism. A grey bolt carrier is positioned at the top. Below it, a green disconnector hook is shown in a rearward position, preventing an orange hammer hook from engaging. A red hammer is pivoted rearward. A brown trigger member is at the bottom.
said cam is in said second position, rearward movement of the bolt carrier causes rearward pivoting of said hammer such that said disconnector hook is prevented from catching said hammer hook,	The cam is in the second position during at least part of the cycle and mechanically moves the trigger member toward the set position. Rearward movement of the bolt carrier causes rearward pivoting of the hammer (red) such that the disconnector (orange) hook is prevented from catching the hammer hook.  This diagram shows the Atrius Selector mechanism with a grey bolt carrier moved further rearward. The red hammer has pivoted further rearward, and the orange disconnector hook remains in its rearward position, still preventing engagement with the hammer hook. The brown trigger member is also shown.

'247 Patent, Claim 15	The Atrius Selector
and thereafter the bolt carrier moves forward into battery,	Thereafter, the bolt carrier moves forward into battery, 
at which time the user can pull said trigger member to fire the firearm.	. . . at which time the user can pull said trigger member (brown) to fire the firearm. 

33. On information and belief, in addition to direct infringement, Defendants take active steps to induce others, including their customers, to directly infringe the '247 patent. Defendants take such active steps knowing that those steps will induce, encourage, and facilitate

direct infringement by others. Such active steps include, but are not limited to, installation of, encouraging, advertising, promoting, and instructing others to use and/or how to use the Atrius Selector.

34. On information and belief, Defendants know or should know that such activities induce others to directly infringe at least claim 15 of the '247 Patent.

35. On information and belief, Defendants also contribute to the infringement of the '247 Patent by others, including their customers. Acts by Defendants that contribute to the infringement of others include, but are not limited to, the sale, offer for sale, and/or importation by Defendants of the components of the Atrius Selector, such as the cam or cam lever arm. The components are not suitable for substantial noninfringing use as they are specially designed and adapted to be used in a fire control unit to mechanically reset a trigger mechanism and infringe the '247 Patent.

36. Defendants have engaged in egregious infringement behavior with knowledge of the '247 Patent, which has been duly issued by the USPTO, and is presumed valid. On information and belief, Defendants have known or should have known that their actions constituted and continue to constitute infringement of the '247 Patent and that the '247 Patent is valid at least through the service of this complaint. Defendants could not reasonably or subjectively believe that their actions do not constitute infringement of the '247 Patent, nor could they reasonably or subjectively believe that the patent is invalid. Despite that knowledge and subjective belief, and the objectively high likelihood that their actions constitute infringement, Defendants have continued their infringing activities. As such, Defendants willfully infringe the '247 Patent.

37. By their actions, Defendants have injured Plaintiffs and are liable to Plaintiffs for infringement of the '247 Patent pursuant to 35 U.S.C. § 271.

38. By their actions, Defendants' infringement of the '247 Patent has irreparably injured Plaintiffs. Unless such infringing acts are enjoined by this Court, Plaintiffs will continue to suffer additional irreparable injury.

39. By their actions, Defendants' infringement of the '247 Patent has damaged and continues to damage, Plaintiffs in an amount yet to be determined.

40. Defendants' infringement of the '247 patent is exceptional and entitles Plaintiffs to attorneys' fees and costs incurred in prosecuting this action under 35 U.S.C. § 285.

41. Defendants' acts of infringement are willful and for no other purpose than to deliberately and irreparably harm Plaintiffs' business, sales, reputation, and good-will.

42. Plaintiffs have been substantially harmed by Defendants' infringing activities and are entitled to relief including but not limited to a preliminary injunction, a permanent injunction, damages adequate to compensate for the infringement, being lost profits or no less than a reasonable royalty, treble damages, and attorneys' fees.

COUNT II — INFRINGEMENT OF THE '784 PATENT

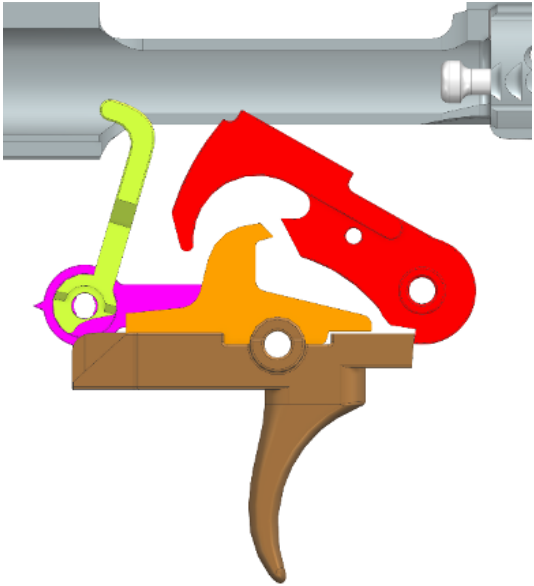
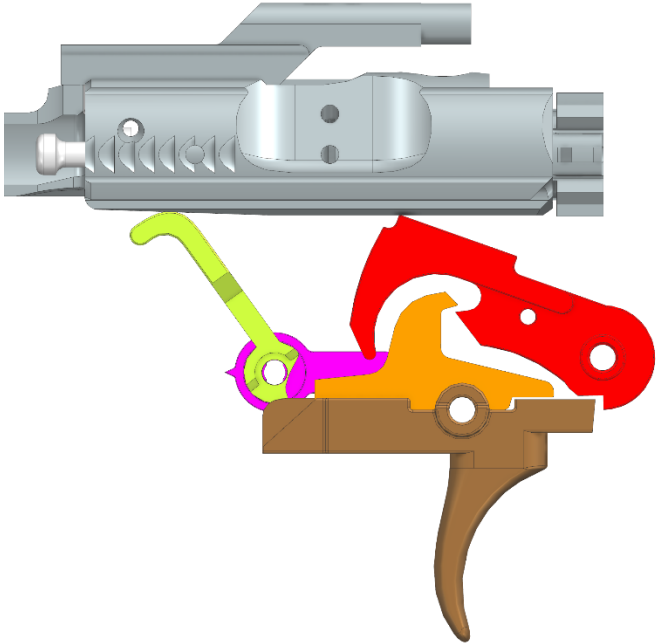
43. Plaintiffs re-allege and incorporate the allegations of the preceding paragraphs as if fully set forth herein.

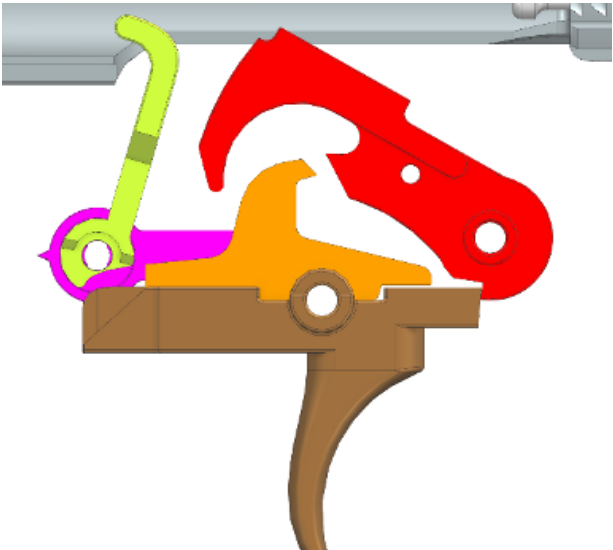
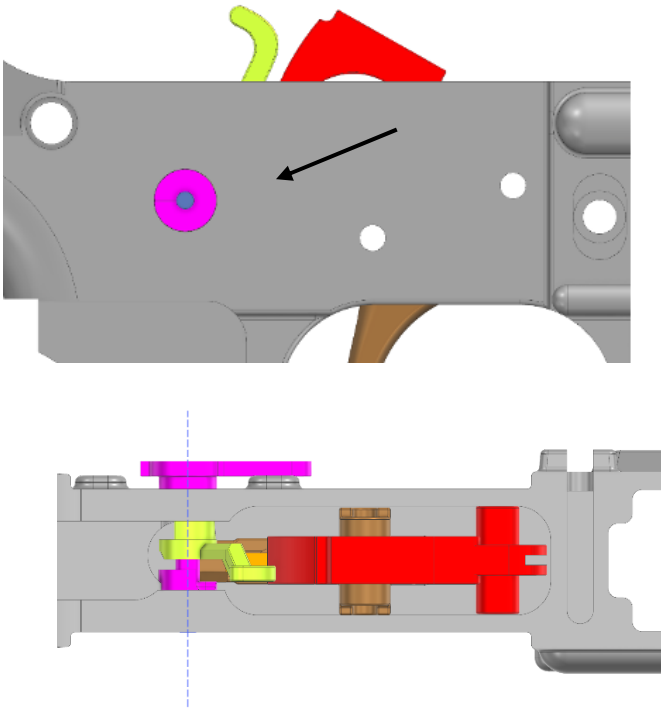
44. In violation of 35 U.S.C. § 271, Defendants have infringed, induced others to infringe, and/or contributed to the infringement of one or more claims of the '784 patent, including but not limited to claim 1, literally and/or under the doctrine of equivalents, by among other things, making, using, offering for sale, selling, and/or importing into the United States unlicensed products in a manner that infringes the '784 patent. Such unlicensed products include the Atrius Selector.

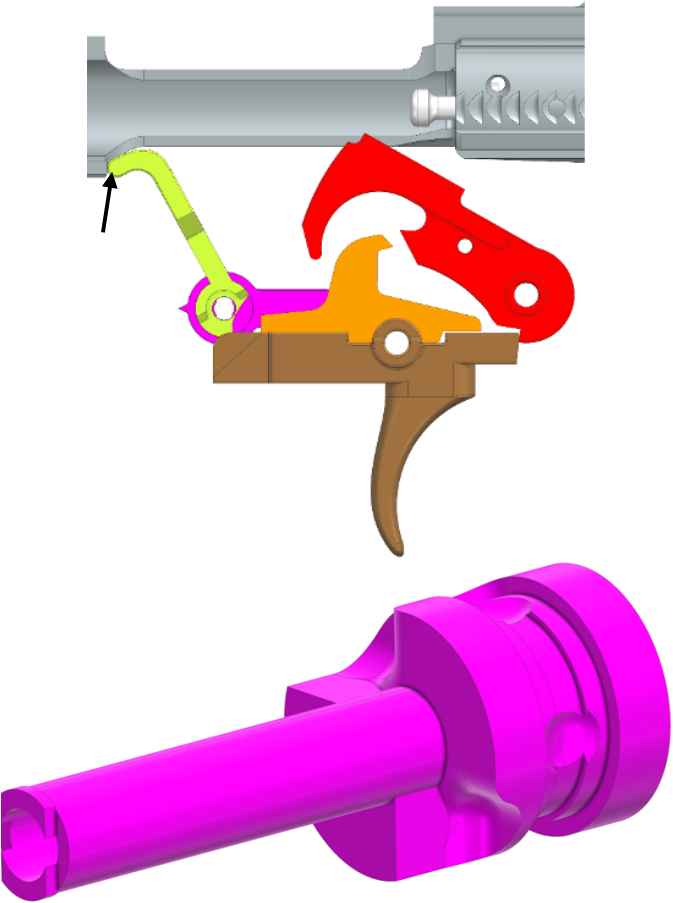
45. On information and belief, Defendants have and continue to willfully infringe, induce others to infringe, and/or contribute to the infringement of one or more claims of the '784 patent, including but not limited to claim 1, literally and/or under the doctrine of equivalents.

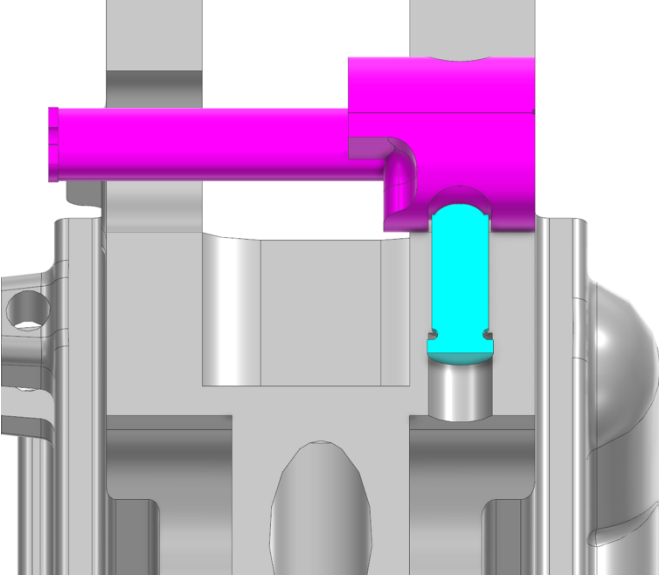
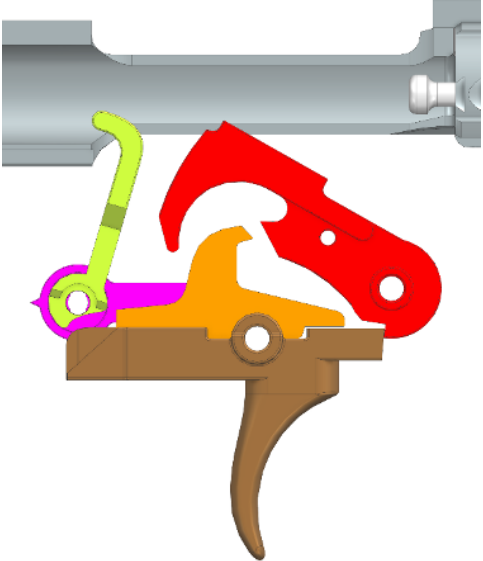
46. An exemplary comparison of the Atrius Selector, when assembled and used as intended, with claim 1 of the '784 Patent is illustrated in the chart below:

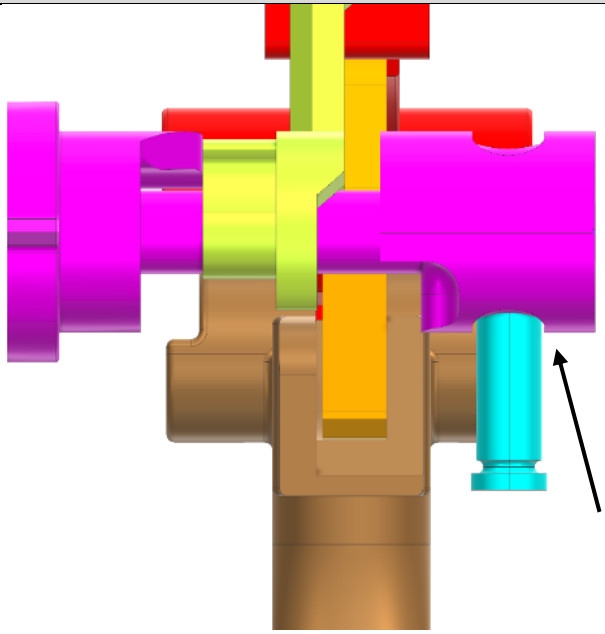
'784 Patent Claim 1	The Atrius Selector
1. In a forced reset trigger mechanism, an extended trigger member locking device, comprising:	When installed and used as directed, the Atrius Selector is part of a trigger mechanism and functions as an extended trigger member locking device.  https://www.facebook.com/CactusAmmo/ and https://www.instagram.com/cactusammo/  Atrius Selector

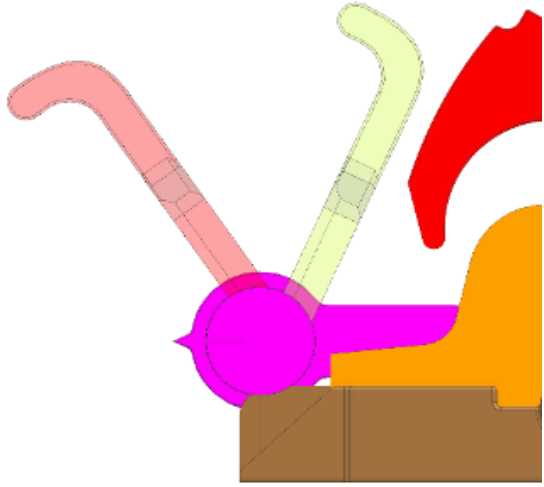
'784 Patent Claim 1	The Atrius Selector
	 Atrius Selector Installed (Plaintiff-generated renderings of Atrius Selector here and below; Locking member and bolt carrier shown here and below in section view for clarity)
a locking member that is movable between a first position in which it locks a trigger against pulling movement	The Atrius Selector operates as a locking member and has a first position in which it locks the trigger member against pulling movement.  Locked First Position

'784 Patent Claim 1	The Atrius Selector
and a second position where it does not restrict movement of the trigger member,	The Atrius Selector is moveable from the first position to a second position where it does not restrict movement of the trigger member.  Unlocked Second Position
the locking member configured to be movably supported by a frame	The Atrius Selector is movably (pivotaly about the axis depicted below) supported by a frame (the lower receiver). 

'784 Patent Claim 1	The Atrius Selector
and including a generally upward extension portion configured to make actuating contact with a surface of the bolt carrier,	The Atrius Selector has an upward extending portion (yellow lever arm) configured to make actuating contact with a surface of the bolt carrier.  The body portion (purple) has a track with holes that are lined up to correspond to the selectable modes (Fire/ Standard Semi-Automatic, "Forced Reset" Semi-Automatic) which are positively stopped by a detent (blue)

'784 Patent Claim 1	The Atrius Selector
	 Section View of Body Portion (purple), Lower Receiver (grey), and Detent (blue) Once installed, the body portion (purple) is movably supported by the lower receiver (grey) using the detent (blue).
such actuating contact causing the locking member to move from the first position to the second position,	The actuation causes the locking member to move from the first position to the second position.  Unlocked Second Position
the locking member having a body portion that is movably supported	The Atrius Selector has a body portion (purple) that is movably supported by the lower receiver.

'784 Patent Claim 1	The Atrius Selector
	 A 3D perspective view of the Atrius Selector assembly. The assembly includes a brown base, a yellow vertical shaft, a red horizontal shaft, and a magenta body. A cyan cylindrical component is shown with an arrow pointing to it, indicating its position or movement.
and an upwardly extending deflectable portion that is separately movable relative to the body portion between an extended position	The Atrius Selector has an upwardly extending deflectable portion (lever arm). The connection is designed to allow separate movement of the lever arm relative to the body portion between one position (depicted in red) where it is extended and another position where it is deflected (depicted in yellow).  A diagram showing the lever arm in two positions. The lever arm is depicted in red in its extended position and in yellow in its deflected position. The lever arm is connected to a magenta body, which is shown in a cross-sectional view.

'784 Patent Claim 1	The Atrius Selector
and a deflected position.	Below illustrates the upward extending deflectable portion's (lever arm) total separate travel with an overlay of the lever in both positions without the body portion moving. 

47. On information and belief, in addition to direct infringement, Defendants take active steps to induce others, including their customers, to directly infringe the '784 patent. Defendants take such active steps knowing that those steps will induce, encourage, and facilitate direct infringement by others. Such active steps include, but are not limited to, installation of, encouraging, advertising, promoting, and instructing others to use and/or how to use the Atrius Selector while selling products.

48. On information and belief, Defendants know or should know that such activities induce others to directly infringe at least claim 1 of the '784 Patent.

49. On information and belief, Defendants also contribute to the infringement of the '784 Patent by others, including their customers. Acts by Defendants that contribute to the infringement of others include, but are not limited to, the sale, offer for sale, and/or importation by Defendants of the components of the Atrius Selector, such as the cam or cam lever arm. The components are not suitable for substantial noninfringing use as they are specially designed and

adapted to be used in a fire control unit to mechanically reset a trigger mechanism and infringe the '784 Patent.

50. Defendants have engaged in egregious infringement behavior with knowledge of the '784 Patent, which has been duly issued by the USPTO, and is presumed valid. On information and belief, Defendants have known or should have known that their actions constituted and continue to constitute infringement of the '784 Patent and that the '784 Patent is valid at least through the service of this complaint. Defendants could not reasonably or subjectively believe that their actions do not constitute infringement of the '784 Patent, nor could they reasonably or subjectively believe that the patent is invalid. Despite that knowledge and subjective belief, and the objectively high likelihood that their actions constitute infringement, Defendants have continued their infringing activities. As such, Defendants willfully infringe the '784 Patent.

51. By their actions, Defendants have injured Plaintiffs and are liable to Plaintiffs for infringement of the '784 Patent pursuant to 35 U.S.C. § 271.

52. By their actions, Defendants' infringement of the '784 Patent has irreparably injured Plaintiffs. Unless such infringing acts are enjoined by this Court, Plaintiffs will continue to suffer additional irreparable injury.

53. By their actions, Defendants' infringement of the '784 Patent has damaged and continues to damage, Plaintiffs in an amount yet to be determined.

54. Defendants' infringement of the '784 patent is exceptional and entitles Plaintiffs to attorneys' fees and costs incurred in prosecuting this action under 35 U.S.C. § 285.

55. Defendants' acts of infringement are willful and for no other purpose than to deliberately and irreparably harm Plaintiffs' business, sales, reputation, and good-will.

56. Plaintiffs have been substantially harmed by Defendants' infringing activities and are entitled to relief including but not limited to a preliminary injunction, a permanent injunction, damages adequate to compensate for the infringement, being lost profits or no less than a reasonable royalty, treble damages, and attorneys' fees.

COUNT III — INFRINGEMENT OF THE '159 PATENT

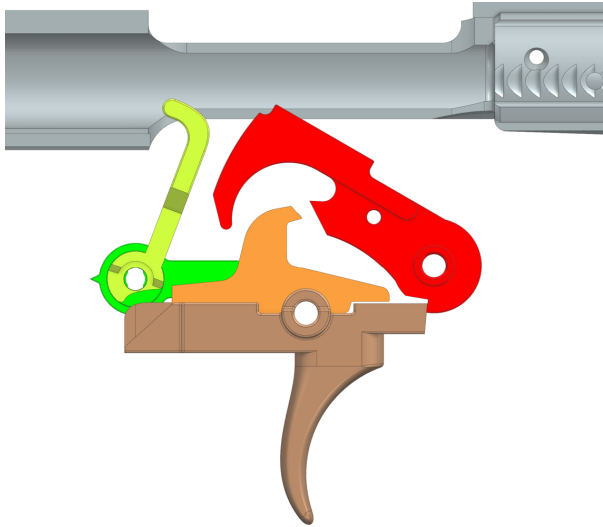
57. Plaintiffs re-allege and incorporate the allegations of the preceding paragraphs as if fully set forth herein.

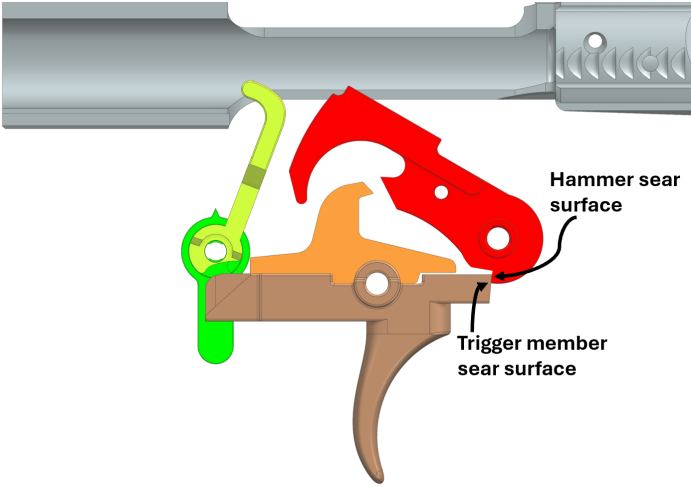
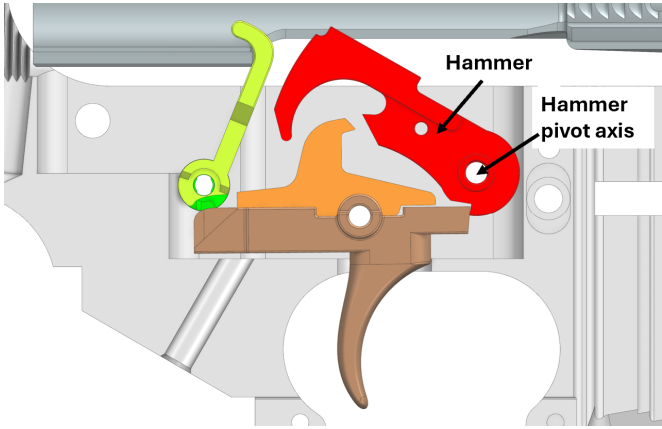
58. In violation of 35 U.S.C. § 271, Defendants have infringed, induced others to infringe, and/or contributed to the infringement of one or more claims of the '159 patent, including but not limited to claim 1, literally and/or under the doctrine of equivalents, by among other things, making, using, offering for sale, selling, and/or importing into the United States unlicensed products in a manner that infringes the '159 patent. Such unlicensed products include the Atrius Selector.

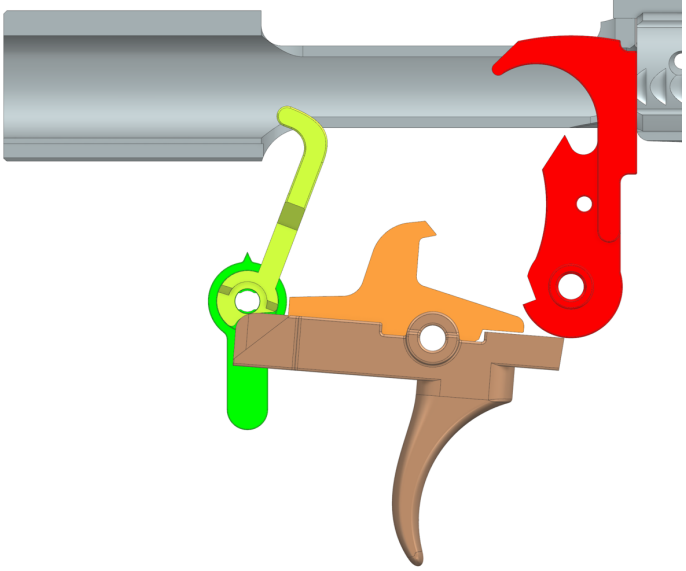
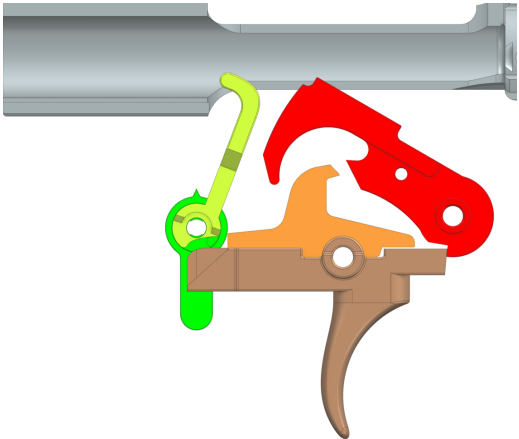
59. On information and belief, Defendants have and continue to willfully infringe, induce others to infringe, and/or contribute to the infringement of one or more claims of the '159 patent, including but not limited to claim 1, literally and/or under the doctrine of equivalents.

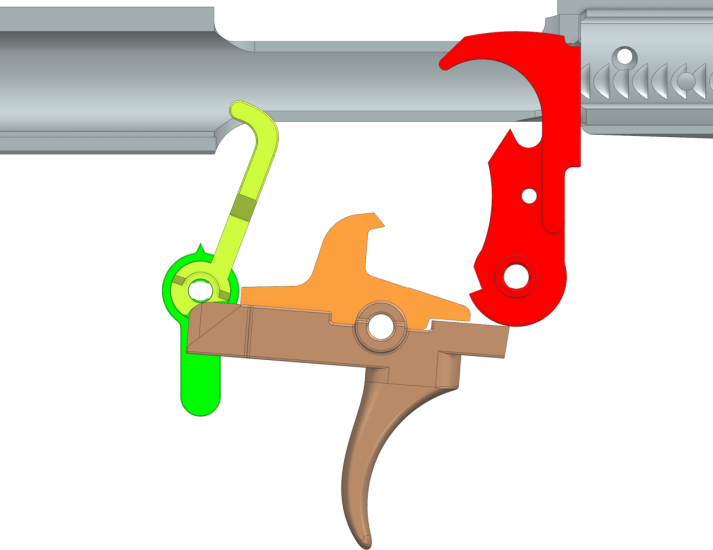
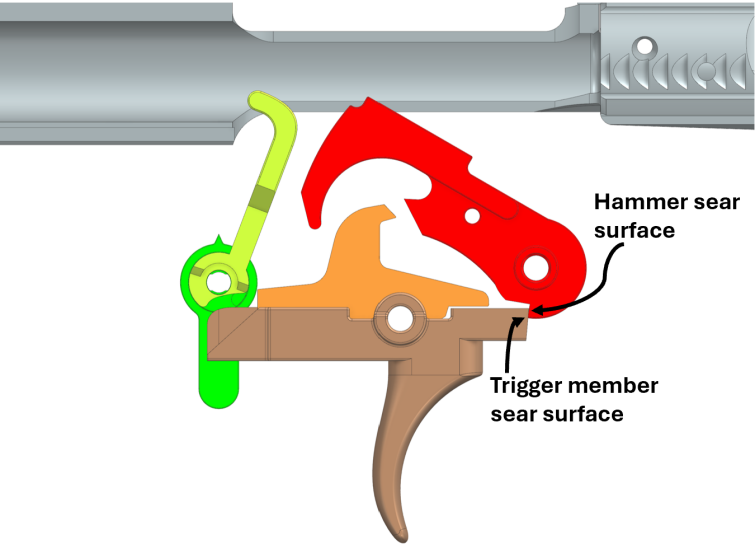
60. An exemplary comparison of the Atrius Selector, when assembled and used as intended, with claim 1 of the '159 Patent is illustrated in the chart below:

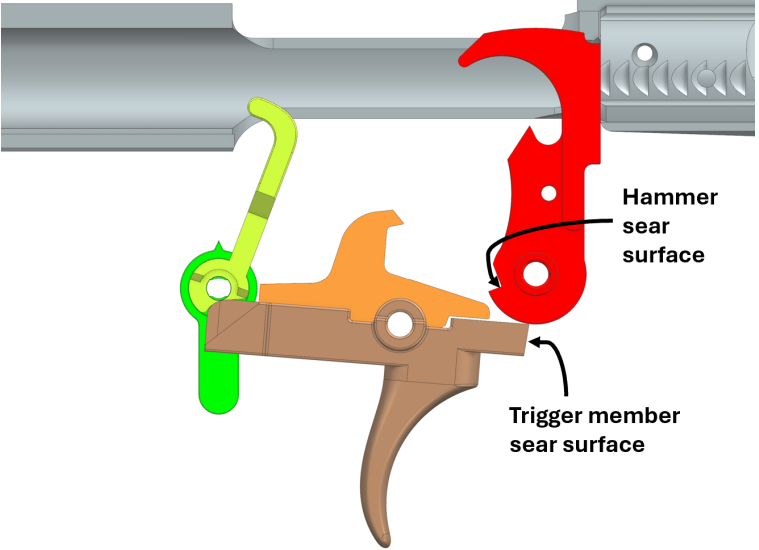
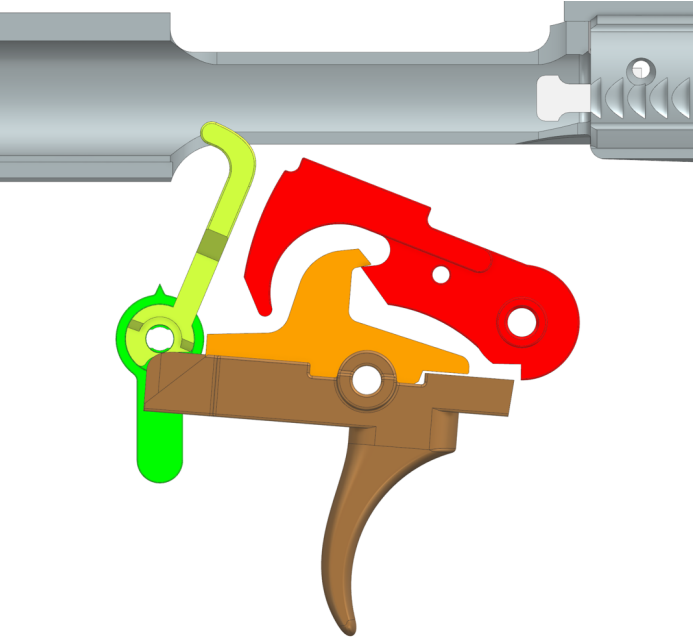
'159 Patent, Claim 1	The Atrius Selector
1. A firearm trigger mechanism for a firearm having a fire control mechanism pocket and a reciprocating bolt means, the trigger mechanism operable in a first, standard semi-automatic mode and in a	When installed and used as directed, the Atrius Selector is part of a firearm trigger mechanism that uses a bolt means (in this example, a bolt carrier group). With the Atrius Selector installed, the trigger mechanism operates in a standard semi-automatic mode and a "forced reset" semi-automatic mode

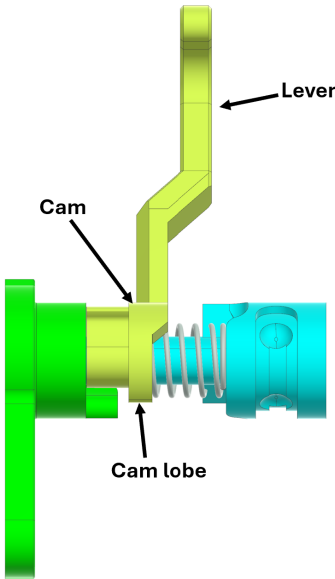
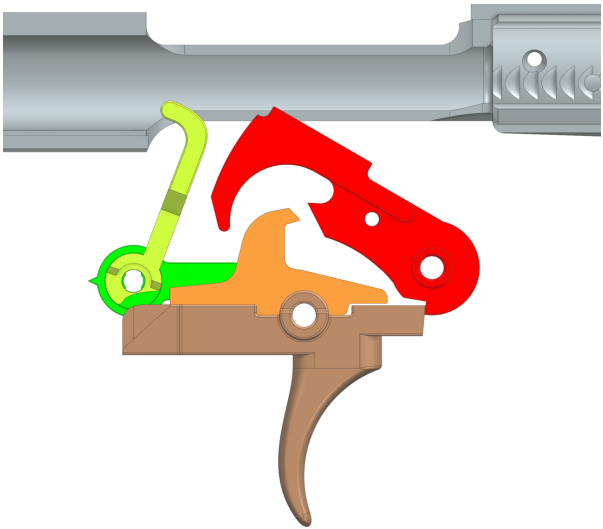
'159 Patent, Claim 1	The Atrius Selector
second, forced reset semi-automatic mode, the mechanism comprising:	 https://www.facebook.com/CactusAmmo/ and https://www.instagram.com/cactusammo/  Atrius Selector  Atrius Selector (Installed) (Plaintiff-generated renderings of the Atrius Selector here and below)

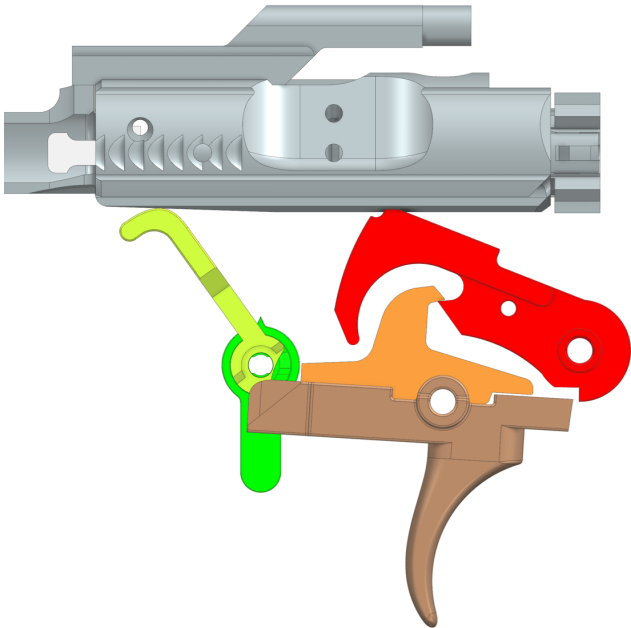
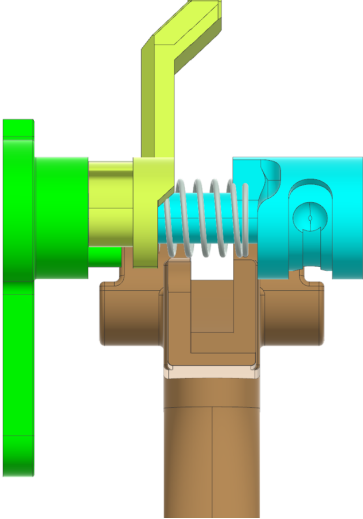
'159 Patent, Claim 1	The Atrius Selector
a hammer having a sear surface and a hook for engaging a disconnector and adapted to be mounted in a fire control mechanism pocket of a receiver	The Atrius Selector (yellow) is installed in a fire control mechanism pocket of a receiver along with a hammer (red) that has a sear surface and a hook for engaging a disconnector (orange).  Atrius Selector (Installed)
to pivot on a transverse hammer pivot axis between set and released positions, the hammer adapted to be pivoted rearward by rearward movement of a bolt means,	The hammer (red) pivots on a transverse hammer pivot axis between set and released positions, depicted below. The hammer is adapted to be pivoted rearward by rearward movement of a bolt means.  Hammer Set Position

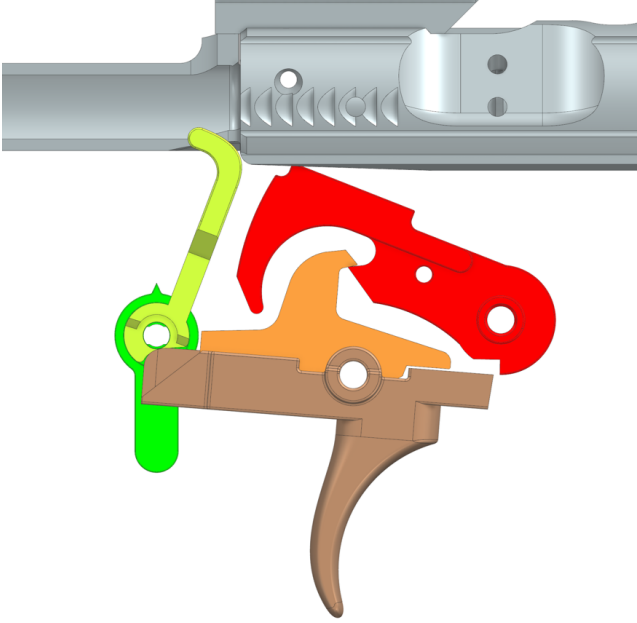
'159 Patent, Claim 1	The Atrius Selector
	 Hammer Released Position
a trigger member having a trigger sear surface and adapted to be mounted in the fire control mechanism pocket to pivot on a transverse trigger member pivot axis between set and	The Atrius Selector (yellow) is installed with a trigger member (brown) in the fire control mechanism pocket and the trigger member pivots on a transverse trigger member pivot axis between set and released positions. The trigger member has a sear surface.  Trigger Member Set Position

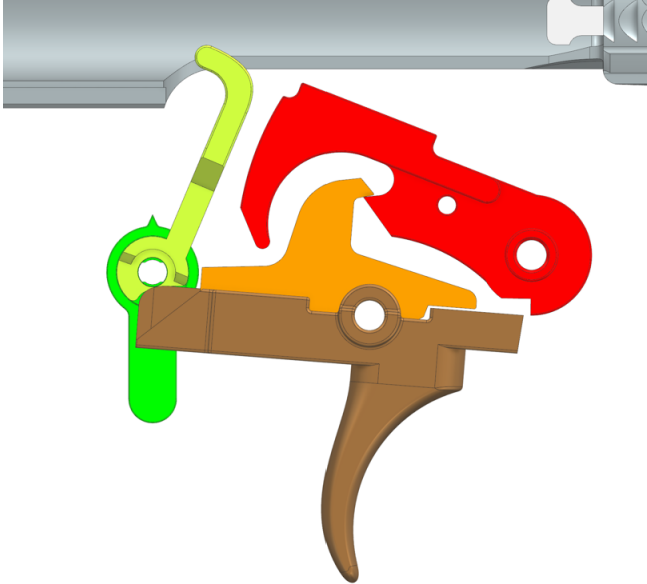
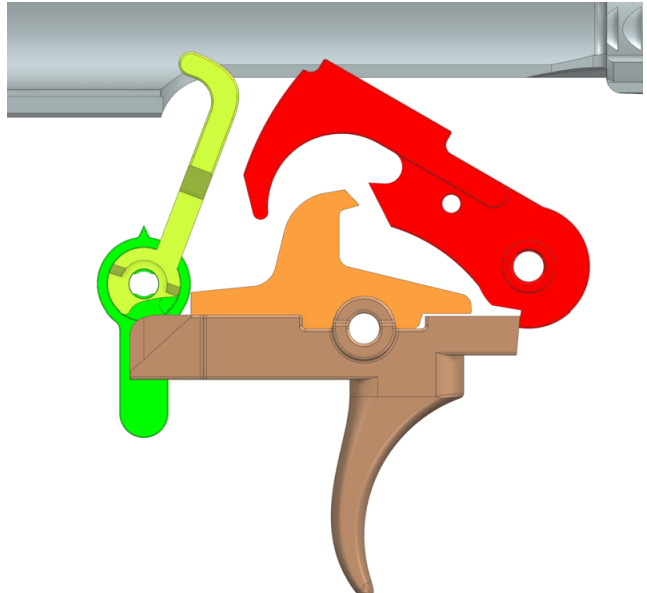
'159 Patent, Claim 1	The Atrius Selector
released positions,	 Trigger Member Released Position
wherein the trigger member sear surface and hammer sear surface are in engagement in the set positions of the hammer and trigger member	The sear surface of the trigger member (brown) and sear surface of the hammer (red) are in engagement when the hammer and trigger member are in their set positions.  Trigger Member and Hammer Member Set Position
and are out of engagement in the released positions of the	The sear surface of the trigger member (brown) and sear catch surface of the hammer (red) are out of engagement in the released position.

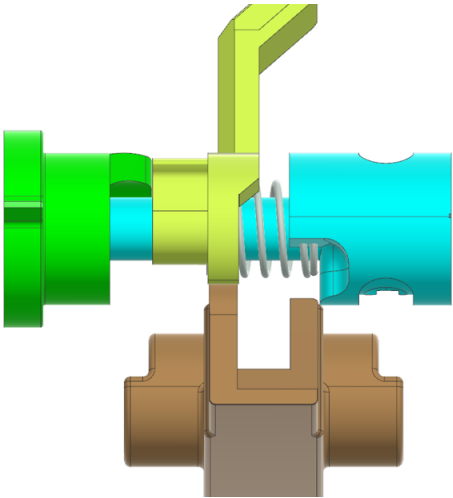
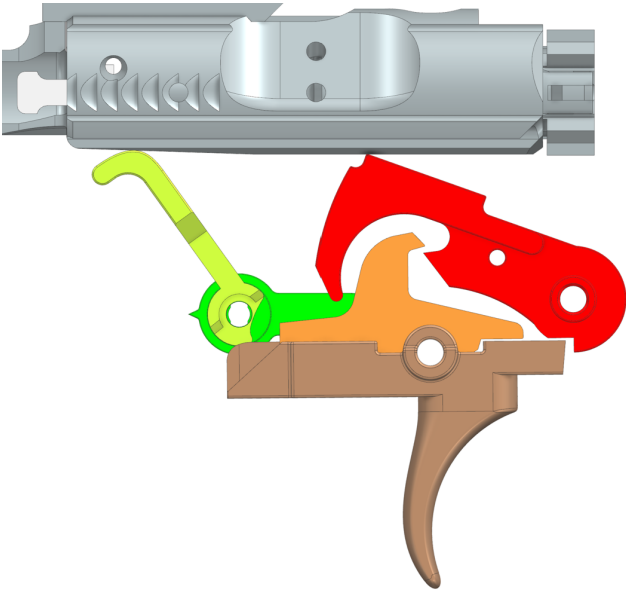
'159 Patent, Claim 1	The Atrius Selector
hammer and trigger member,	 Hammer sear surface Trigger member sear surface Trigger Member and Hammer Member Released Positions
the disconnecter having a hook for engaging the hammer and adapted to be mounted in the fire control mechanism pocket to pivot on a transverse disconnecter pivot axis, and	The disconnecter (orange) is adapted to be mounted in the fire control mechanism pocket to pivot on a transverse disconnecter pivot axis. The disconnecter has a hook for engaging the hammer (red).  Disconnecter Hook Engaged
a cam having a cam lobe and adapted to be	The Atrius Selector has a cam with a cam lobe and lever that is adapted to be movably mounted in the fire control mechanism

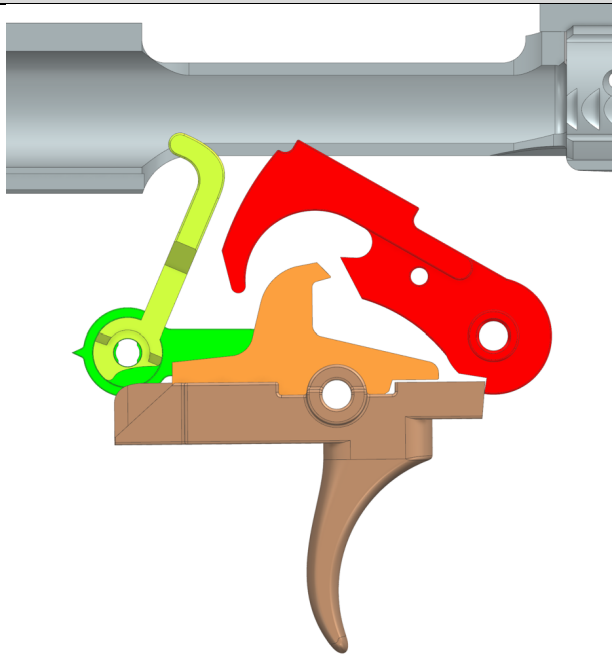
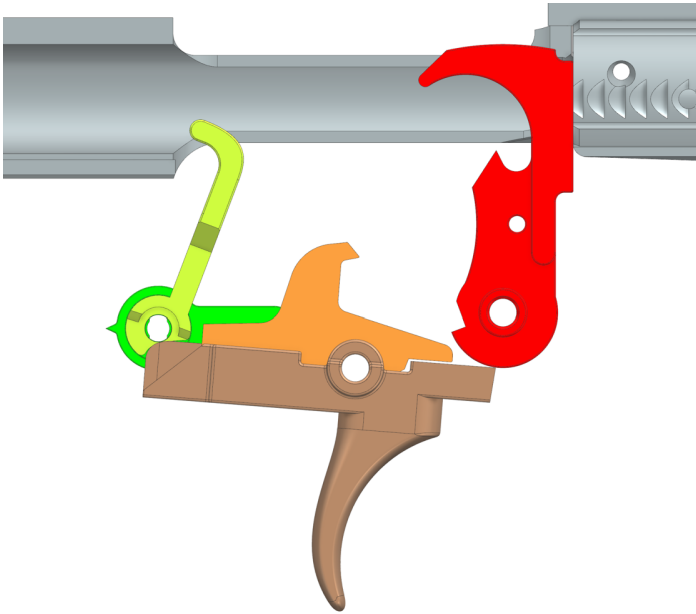
'159 Patent, Claim 1	The Atrius Selector
movably mounted in the fire control mechanism pocket,	pocket. (See image above depicting Atrius Selector, shown in yellow, in fire control mechanism pocket)  Atrius Selector Cam with Lobe and Lever
the cam being movable between a first position and a second position, in the second position the cam lobe forces the trigger member toward the set position,	The cam is movable between a first position and a second position.  Cam and Lobe First Position In the second position, the cam lobe mechanically moves the trigger member (brown) toward the set position when the cam is in the “forced reset” semi-automatic mode.

'159 Patent, Claim 1	The Atrius Selector
	 Cam and Lobe Second Position
whereupon in the first mode, rearward movement of the bolt means causes rearward pivoting of the hammer such that the disconnector hook catches the hammer hook,	While in the first (standard semi-automatic) mode,  Cam in the First (Semi-Automatic) Mode Rearward movement of the bolt means causes rearward pivoting of the hammer (red) such that the disconnector (orange) hook catches the hammer hook.

'159 Patent, Claim 1	The Atrius Selector
	 Disconnecter Hook Catches the Hammer
and thereafter the bolt means moves forward into battery,	Thereafter, the bolt means moves forward into battery, 

'159 Patent, Claim 1	The Atrius Selector
	 Pressure on Trigger Member Prevents Reset
at which time a user must manually reduce pressure on the trigger member to free the hammer from the disconnector to permit the hammer and trigger member to pivot to the set positions so that the user can pull the trigger member to fire the firearm, and	... at which time a user must manually reduce pressure on the trigger member (brown) to free the hammer (red) from the disconnector (orange) to permit the hammer and trigger member to pivot to the set positions so that the user can pull the trigger member to fire the firearm.  Reduced Pressure on Trigger Member Allows Reset)

'159 Patent, Claim 1	The Atrius Selector
whereupon in a second mode,	When in the second (“forced reset” semi-automatic) mode,  Cam in the Second (“Forced Reset” Semi-Automatic) Mode
rearward movement of the bolt means causes rearward pivoting of the hammer such that the disconnecter hook is prevented from holding the hammer,	Rearward movement of the bolt means causes rearward pivoting of the hammer (red) and the cam to move the trigger member toward the reset position such that the disconnecter (orange) hook is prevented from holding the hammer hook. 
and thereafter the bolt means moves forward into battery,	Thereafter, the bolt means moves forward into battery and the hammer moves to its reset position,

'159 Patent, Claim 1	The Atrius Selector
	
at which time the user can pull the trigger member to fire the firearm.	... at which time the user can pull the trigger member (brown) to fire the firearm without having to first release pressure on the trigger member. 

61. On information and belief, in addition to direct infringement, Defendants take active steps to induce others, including their customers, to directly infringe the '159 patent. Defendants take such active steps knowing that those steps will induce, encourage, and facilitate

direct infringement by others. Such active steps include, but are not limited to, installation of, encouraging, advertising, promoting, and instructing others to use and/or how to use the Atrius Selector while selling products.

62. On information and belief, Defendants know or should know that such activities induce others to directly infringe at least claim 1 of the '159 Patent.

63. On information and belief, Defendants also contribute to the infringement of the '159 Patent by others, including their customers. Acts by Defendants that contribute to the infringement of others include, but are not limited to, the sale, offer for sale, and/or importation by Defendants of the components of the Atrius Selector, such as the cam or cam lever arm. The components are not suitable for substantial noninfringing use as they are specially designed and adapted to be used in a fire control unit to mechanically reset a trigger mechanism and infringe the '159 Patent.

64. Defendants have engaged in egregious infringement behavior with knowledge of the '159 Patent, which has been duly issued by the USPTO, and is presumed valid. On information and belief, Defendants have known or should have known that their actions constituted and continue to constitute infringement of the '159 Patent and that the '159 Patent is valid at least through the service of this complaint. Defendants could not reasonably or subjectively believe that their actions do not constitute infringement of the '159 Patent, nor could they reasonably or subjectively believe that the patent is invalid. Despite that knowledge and subjective belief, and the objectively high likelihood that their actions constitute infringement, Defendants have continued their infringing activities. As such, Defendants willfully infringe the '159 Patent.

65. By their actions, Defendants have injured Plaintiffs and are liable to Plaintiffs for infringement of the '159 Patent pursuant to 35 U.S.C. § 271.

66. By their actions, Defendants' infringement of the '159 Patent has irreparably injured Plaintiffs. Unless such infringing acts are enjoined by this Court, Plaintiffs will continue to suffer additional irreparable injury.

67. By their actions, Defendants' infringement of the '159 Patent has damaged and continues to damage, Plaintiffs in an amount yet to be determined.

68. Defendants' infringement of the '159 patent is exceptional and entitles Plaintiffs to attorneys' fees and costs incurred in prosecuting this action under 35 U.S.C. § 285.

69. Defendants' acts of infringement are willful and for no other purpose than to deliberately and irreparably harm Plaintiffs' business, sales, reputation, and good-will.

70. Plaintiffs have been substantially harmed by Defendants' infringing activities and are entitled to relief including but not limited to a preliminary injunction, a permanent injunction, damages adequate to compensate for the infringement, being lost profits or no less than a reasonable royalty, treble damages, and attorneys' fees.

COUNT IV — INFRINGEMENT OF THE '403 PATENT

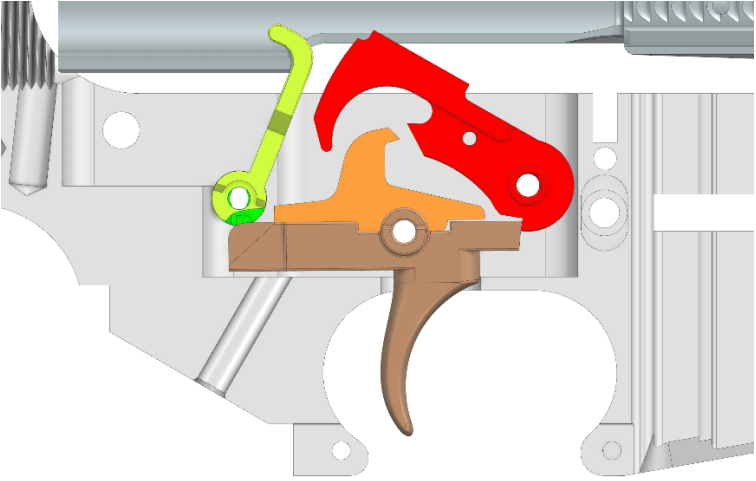
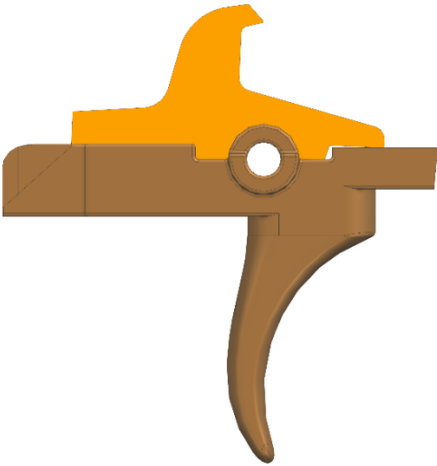
71. Plaintiffs re-allege and incorporate the allegations of the preceding paragraphs as if fully set forth herein.

72. In violation of 35 U.S.C. § 271, Defendants have infringed, induced others to infringe, and/or contributed to the infringement of one or more claims of the '403 patent, including but not limited to claim 38, literally and/or under the doctrine of equivalents, by among other things, making, using, offering for sale, selling, and/or importing into the United States unlicensed products in a manner that infringes the '403 patent. Such unlicensed products include the Infringing Device.

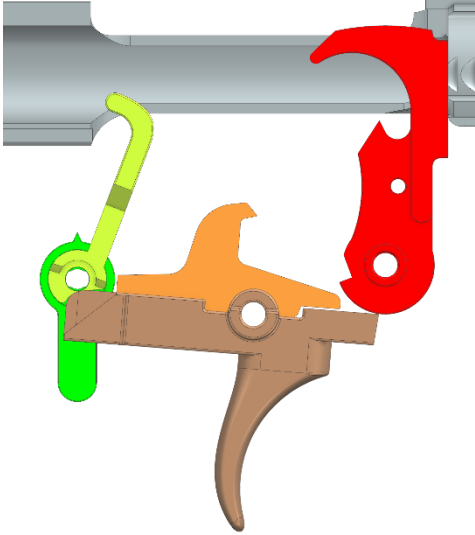
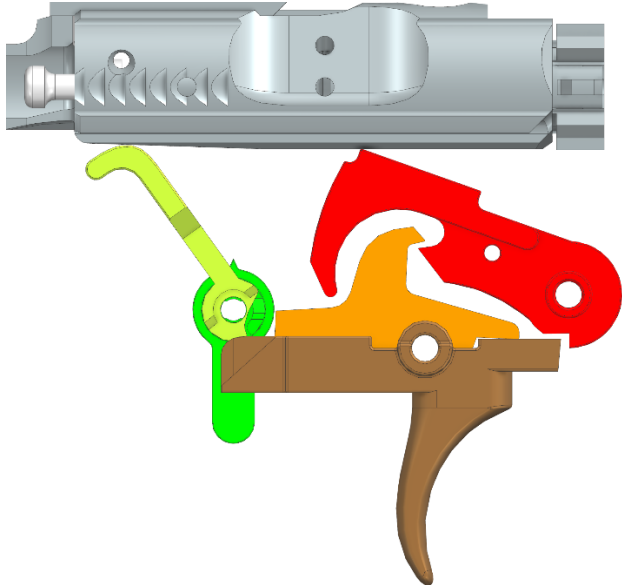
73. On information and belief, Defendants have and continue to willfully infringe, induce others to infringe, and/or contribute to the infringement of one or more claims of the '403 patent, including but not limited to claim 38, literally and/or under the doctrine of equivalents.

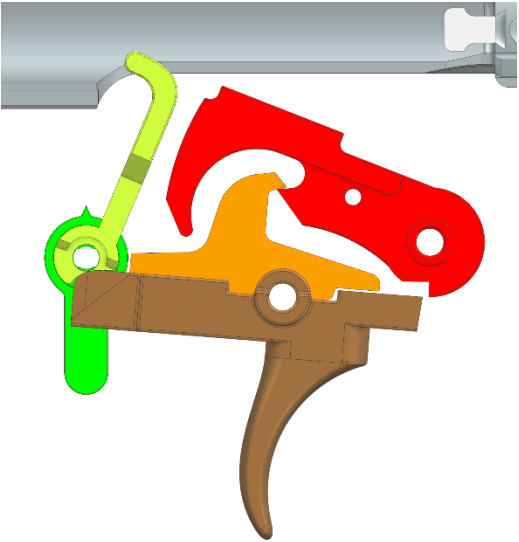
74. An exemplary comparison of the Atrius Selector, when assembled and used as intended, with claim 38 of the '403 Patent is illustrated in the chart below:

'403 Patent, Claim 38	The Atrius Selector
38. A forced reset trigger mechanism, comprising:	When installed and used as directed, the Atrius Selector is part of a trigger mechanism.  https://www.facebook.com/CactusAmmo/ and https://www.instagram.com/cactusammo/  Atrius Selector

'403 Patent, Claim 38	The Atrius Selector
a hammer having a hammer hook and adapted to pivot on a transverse hammer pivot axis;	The Atrius Selector (yellow) is installed in a fire control mechanism pocket along with a hammer (red) that has a hammer hook and pivots on a transverse axis.  Atrius Selector (Installed) (Plaintiff-generated renderings of Atrius Selector here and below)
a disconnecter having a disconnecter hook and adapted to pivot on a transverse disconnecter pivot axis; a trigger member; and	The Atrius Selector is installed along with a disconnecter (orange) which has a disconnecter hook and pivots on a transverse disconnecter pivot axis, and a trigger member (brown).  Disconnecter and Trigger Member

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'403 Patent, Claim 38	The Atrius Selector
wherein when the safety selector is in the standard semi-automatic position and the trigger member is rearwardly actuated, and after the hammer pivots rearward to a position where the hammer hook is past the disconnecter hook,	When safety selector is in the standard semi-automatic position the trigger member (brown) is rearwardly actuated.  The diagram shows a cross-section of the trigger assembly. A brown trigger member is in a rearward position. A green spring is attached to its rear. An orange disconnecter hook is positioned to the left of the trigger. A red hammer is positioned to the right of the trigger, with its hook pointing towards the trigger. The hammer (red) pivots rearward to a position where the hammer hook is past the disconnecter hook (orange),  The diagram shows a cross-section of the trigger assembly. A brown trigger member is in a rearward position. A green spring is attached to its rear. An orange disconnecter hook is positioned to the left of the trigger. A red hammer is pivoted rearward, with its hook now past the orange disconnecter hook. A grey hammer housing is shown above the hammer.

'403 Patent, Claim 38	The Atrius Selector
rearward pressure on the trigger member must be reduced to permit the trigger member to then be actuated to fire a firearm.	Rearward pressure on the trigger member (brown) must be reduced to permit the trigger member to then be actuated to fire a firearm. 

75. On information and belief, in addition to direct infringement, Defendants take active steps to induce others, including their customers, to directly infringe the '403 patent. Defendants take such active steps knowing that those steps will induce, encourage, and facilitate direct infringement by others. Such active steps include, but are not limited to, encouraging, advertising, promoting, and instructing others to use and/or how to use the Infringing Device while selling products.

76. On information and belief, Defendants know or should know that such activities induce others to directly infringe at least claim 38 of the '403 Patent.

77. On information and belief, Defendants also contribute to the infringement of the '403 Patent by others, including their customers. Acts by Defendants that contribute to the infringement of others include, but are not limited to, the sale, offer for sale, and/or importation by Defendants of the components of the Infringing Device, such as the trigger assembly or the cam or cam lever arm. The components are not suitable for substantial noninfringing use as they are

specially designed and adapted to be used in a fire control unit to mechanically reset a trigger mechanism and infringe the '403 Patent.

78. Defendants have engaged in egregious infringement behavior with knowledge of the '403 Patent, which has been duly issued by the USPTO, and is presumed valid. On information and belief, Defendants have known or should have known that their actions constituted and continue to constitute infringement of the '403 Patent and that the '403 Patent is valid at least through the service of this complaint. Defendants could not reasonably or subjectively believe that their actions do not constitute infringement of the '403 Patent, nor could they reasonably or subjectively believe that the patent is invalid. Despite that knowledge and subjective belief, and the objectively high likelihood that their actions constitute infringement, Defendants have continued their infringing activities. As such, Defendants willfully infringe the '403 Patent.

79. By their actions, Defendants have injured Plaintiffs and are liable to Plaintiffs for infringement of the '403 Patent pursuant to 35 U.S.C. § 271.

80. By their actions, Defendants' infringement of the '403 Patent has irreparably injured Plaintiffs. Unless such infringing acts are enjoined by this Court, Plaintiffs will continue to suffer additional irreparable injury.

81. By their actions, Defendants' infringement of the '403 Patent has damaged and continues to damage, Plaintiffs in an amount yet to be determined.

82. Defendants' infringement of the '403 patent is exceptional and entitles Plaintiffs to attorneys' fees and costs incurred in prosecuting this action under 35 U.S.C. § 285.

83. Defendants' acts of infringement are willful and for no other purpose than to deliberately and irreparably harm Plaintiffs' business, sales, reputation, and good-will.

84. Plaintiffs have been substantially harmed by Defendants' infringing activities and are entitled to relief including but not limited to a preliminary injunction, a permanent injunction, damages adequate to compensate for the infringement, being lost profits or no less than a reasonable royalty, treble damages, and attorneys' fees.

PRAYER FOR RELIEF

WHEREFORE, Plaintiffs respectfully request that this Court enter judgment against Defendants as follows:

- a. Each of the Asserted Patents has been and continues to be infringed by Defendants;
- b. Defendants' infringement of each of the Asserted Patents has been, and continues to be, willful;
- c. Each of the Asserted Patents is enforceable and not invalid;
- d. A preliminary injunction enjoining Defendants and their principals, agents, successors, assigns, attorneys, servants, affiliates, employees, divisions, branches, subsidiaries, parents, and all others acting in active concert therewith from infringement or contributing to the infringement of each of the Asserted Patents during the pendency of this case; or other such equitable relief as the Court determines is warranted;
- e. A permanent injunction enjoining Defendants and their principals, agents, successors, assigns, attorneys, servants, affiliates, employees, divisions, branches, subsidiaries, parents, and all others acting in active concert therewith from infringement or contributing to the infringement of each of the Asserted Patents; or other such equitable relief as the Court determines is warranted;
- f. An award of damages adequate to compensate Plaintiffs for the infringement of each of the Asserted Patents that has occurred, together with pre-judgment interests and costs, post-judgment interests and costs, and an accounting;

g. An award of all other damages permitted by 35 U.S.C. § 284, including increased damages up to three times the amount of compensatory damages found;

h. An award of all profits received by Defendants from sales and revenues of any kind made as a result of their trademark infringement and unfair competition;

i. An award of all damages sustained by Plaintiffs as a result of Defendants' infringement, including ascertainable damages, the costs incurred by Plaintiffs for the costs for this action, and Plaintiffs' reasonable attorneys' fees;

j. A finding that this action is an exceptional case under 35 U.S.C. § 285, and an award to Plaintiffs of their costs and attorneys' fees incurred in this action; and

k. Any and all other relief, at law or equity, to which Plaintiffs may show themselves to be entitled or which this Court deems just and proper.

DEMAND FOR JURY TRIAL

Plaintiffs, under Rule 38 of the Federal Rules of Civil Procedure, request a trial by jury of any issues so triable by right.

DATED: July 13, 2026

Respectfully submitted,

/s/ Glenn D. Bellamy

Glenn D. Bellamy

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