CLAIMS

What is claimed is:

1. A forceps comprising:

a frame; and

a motion transfer assembly coupled to the frame, the motion transfer assembly including:

a body having a passageway extending through the body;

a drive shaft extending through the passageway, wherein the body and the drive shaft are slidable with respect to the frame, and wherein the body is rotationally fixed to the drive shaft with a clip to transfer a rotational input received from a first actuator into a rotational motion of the drive shaft relative to the frame; and

a drive link operably coupled to the frame and the body, wherein the drive link is configured to transfer a force received from a second actuator into a linear motion of the body and the drive shaft relative to the frame.

2. The forceps of claim 1, further comprising a biasing element coupled to the body, wherein the drive link transferring a force to the body that exceeds a preload of the biasing element causes the body to move linearly relative to the drive shaft.

3. The forceps of claim 2, further comprising: a clip fixed to the drive shaft and slidably coupled to the body.

4. The forceps of claim 3, wherein the clip is slidably coupled to the body along a track in the body.

5. The forceps of any of claims 1 or 2, wherein the clip is slidably coupled to the body and the rotational motion is delivered from the body through the clip to the drive shaft, and wherein the linear motion is delivered from the

body indirectly through the biasing element to the clip and from the clip to the drive shaft to translate the drive shaft.

6. The forceps of claim 1, wherein, the body comprises an anchor portion with a distal spring seat and the clip provides a proximal spring seat, the biasing element being arranged between the distal spring seat and the proximal spring seat.

7. The forceps of claim 6, wherein the anchor portion further comprises a rotational keying slot.

8. The forceps of claim 7, wherein the keying slot extends parallel to a longitudinal axis of the drive shaft.

9. The forceps of claim 1, wherein the body comprises a neck portion and a collar adapted for contact by the drive link.

10. The forceps of claim 9, wherein the drive link comprises legs that fit around the neck portion and push against a drive surface of the collar.

11. The forceps of claim 1, further comprising jaws coupled to a distal portion of the drive shaft, and wherein the rotational motion of the drive shaft causes the jaws to rotate.

12. The forceps of claims 2, further comprising a hub located around at least a portion of the body and the drive shaft, wherein the rotational motion received from the first actuator is received by the hub, transferred from the hub to the body, transferred from the body to the clip, and transferred from the clip to the drive shaft.

13. The forceps of claim 12, further comprising an outer shaft around the drive shaft, and wherein the hub is rotationally fixed to the outer shaft.

14. The forceps of claim 1, wherein the body includes a clip support surface and a biasing element under a preload drives the clip against the clip support surface.

15. The forceps of claim 1, wherein the drive shaft extends fully through the body via the passageway.

16. The forceps of claim 1, wherein the clip being slidably disposed on the body and configured to transfer the rotational input received from the first actuator into the rotational motion of the drive shaft relative to the frame.

17. The forceps of claim 16, wherein the linear motion of the body is transferred to the drive shaft via the clip.