

What is Claimed is:

1. An inserter for treating glaucoma, comprising:
a housing;
a needle having a lumen;
a plunger, movable within the lumen;
a drive component comprising a cylindrical member being coupled to the needle via a needle groove and to the plunger via a plunger groove to result in movement to the needle and the plunger along a longitudinal axis of the inserter upon rotation of the drive component, the drive component further comprising a slider groove that longitudinally overlaps with the needle and plunger grooves; and
a slider component coupled to the housing and slidable therealong, the slider component coupled to the drive component via the slider-an-elongate groove such that movement of the slider component along the axis rotates the drive component within the housing and results in movement of the needle and the plunger along the axis.
2. The inserter of Claim 1, wherein the ~~drive component comprises a hollow~~ cylindrical member is hollow.
3. ~~The inserter of Claim 1, wherein the drive component comprises a plurality of grooves.~~
4. The inserter of Claim 1, wherein the drive component comprises ~~a cylindrical member having a~~ the slider groove, the slider groove being configured to engage with the slider component such that upon movement of the slider component, the engagement results in a rotational movement on the drive component.
5. The inserter of Claim 1, wherein the drive component comprises ~~a cylindrical member having a~~ the plunger groove, the plunger groove being configured to engage with the plunger such that upon rotation of the drive component, the engagement results in movement to the plunger along the axis in response to a rotational movement of the drive component.
6. The inserter of Claim 1, wherein the drive component comprises ~~a cylindrical member having a~~ the needle groove, the needle groove being configured to engage with the needle such that upon rotation of the drive component, the engagement results movement to the needle along the axis in response to a rotational movement of the drive component.
7. The inserter of Claim 1, ~~further comprising a~~ wherein the housing having comprises an interior cavity, wherein the drive component is supported within the cavity.

8. The inserter of Claim 7, wherein the housing comprises an elongate slot extending from an outer surface of the housing into the cavity, the slider component being slidable along the slot.

9. The inserter of Claim 7, further comprising a lock component configured to engage an outer structure of the housing to restrict movement of the slider component within the housing slot.

10. The inserter of Claim 7, further comprising a knob component coupled to a proximal end of the housing, the knob component being rotatably coupled to the drive component such that rotation of the knob component results in a rotational movement to the drive component.

11. The inserter of Claim 1, wherein the needle is coupled to a rotational adjustment component, the adjustment component being coupled to a needle driver of a needle assembly, the adjustment component being rotatable relative to the needle driver such that rotation of the adjustment component changes a rotational alignment of the needle relative to the housing, wherein the adjustment component is rotatable to fix the rotational alignment of the needle relative to the housing.

12. A drive component for actuating an inserter for treating glaucoma, the drive component comprising a cylindrical body having first, second, and third elongate tracks extending along the body, wherein the first elongate track extends helically from a proximal portion toward a distal portion of the body, the second elongate track having (1) a first portion, extending helically about the body, and (2) a second portion, extending circumferentially about the body, the third elongate track having (i) a first portion, extending circumferentially about the body, and (ii) a second portion, extending helically about the body.

13. The component of Claim 12, wherein the second portion of the second elongate track extends within a plane oriented substantially perpendicular relative to a longitudinal axis of the body, and wherein the first portion of the first elongate track extends within a plane oriented substantially perpendicular relative to a longitudinal axis of the body.

14. The component of Claim 12, wherein the first portion of the second elongate track extends helically from the second portion of the second elongate track in a direction toward the proximal portion of the body, and wherein the second portion of the third elongate track extends helically from the first portion of the third elongate track in a direction toward the proximal portion of the body.

15. The component of Claim 12, wherein the body comprises two pieces, couplable together, wherein at least one of the first, second, or third tracks extends along both of the pieces.

16. The inserter of Claim 1, wherein a first end of the slider groove is positioned at a distalmost position on the drive component with respect to the needle groove and the plunger groove.

17. The inserter of Claim 16, wherein a second end of the slider groove is positioned between a first end of the needle groove and a first end of the plunger groove.

18. The inserter of Claim 1, wherein the slider groove extends along a half rotation of the drive component.

19. The inserter of Claim 1, wherein the plunger groove extends along a half rotation of the drive component.

20. The inserter of Claim 1, wherein the needle groove extends along a half rotation of the drive component.