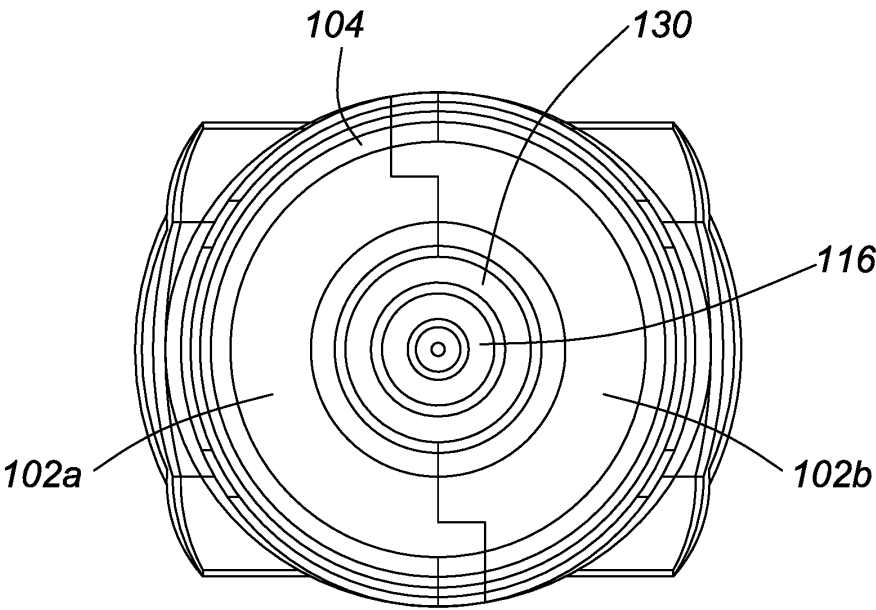
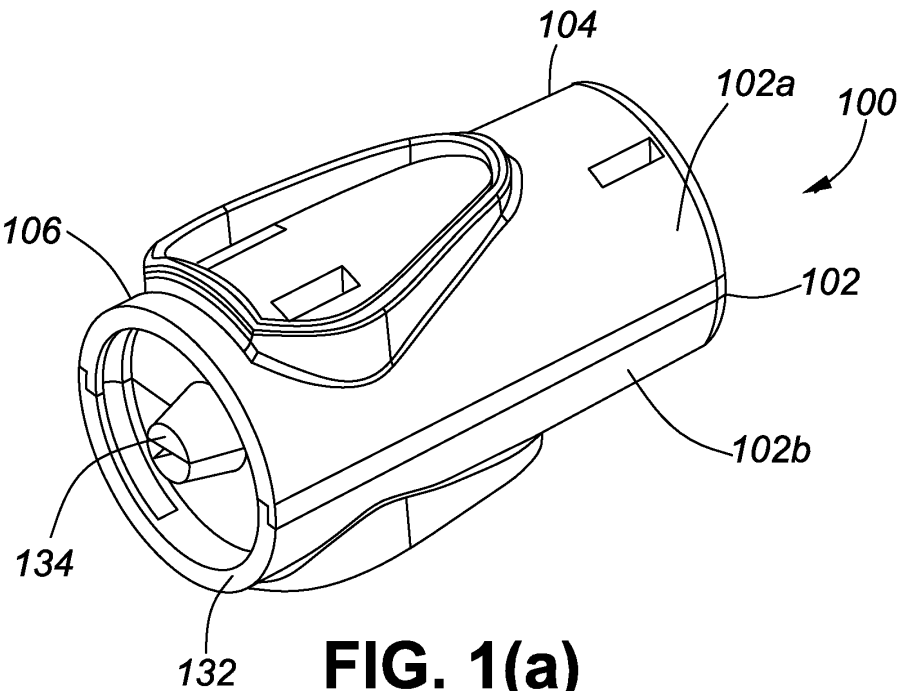
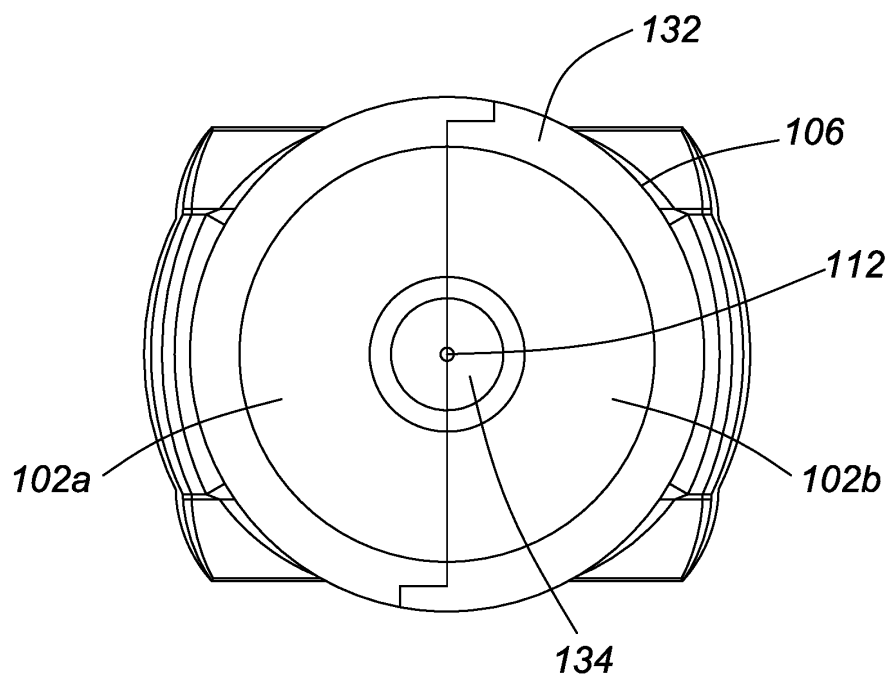


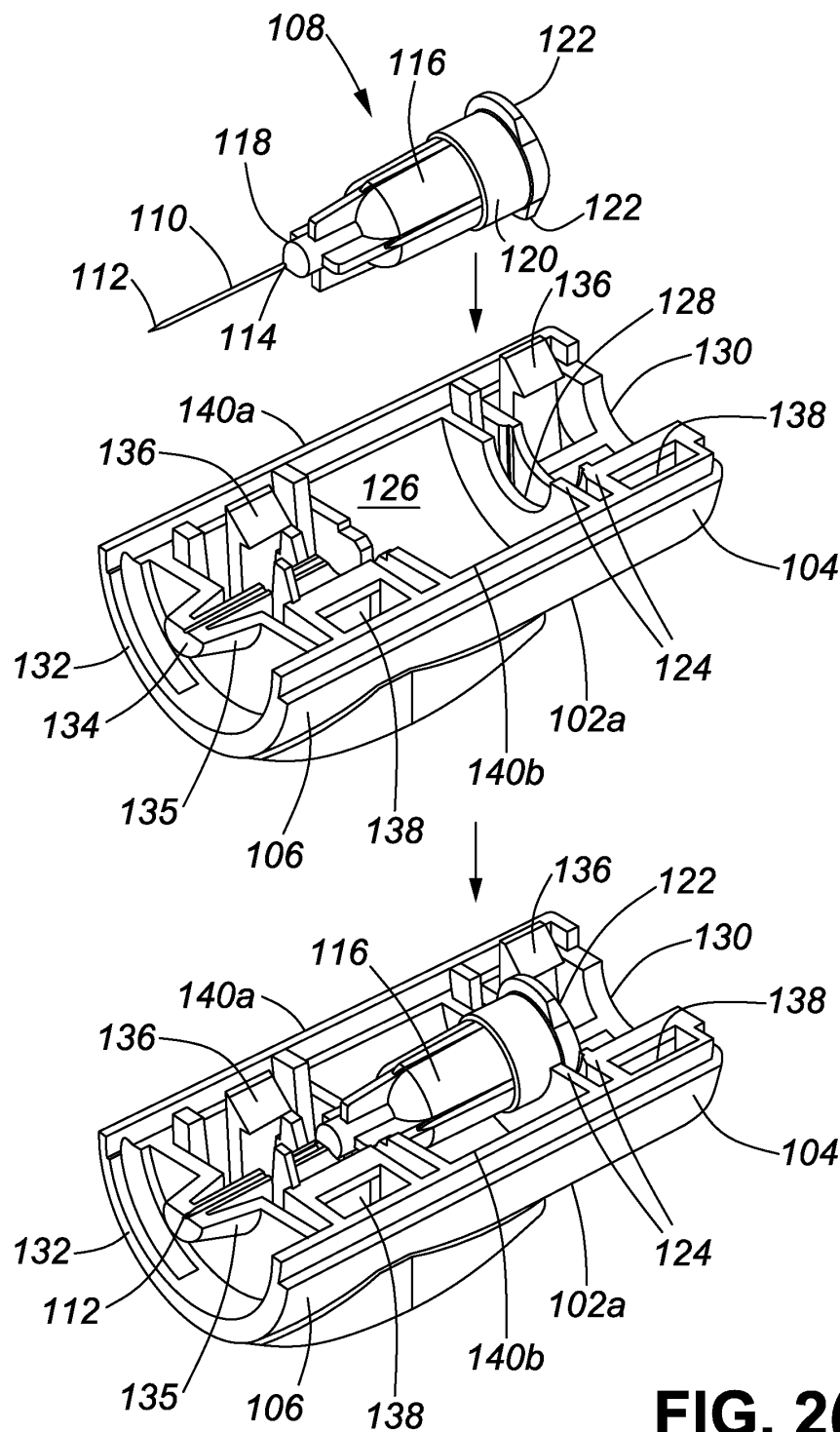
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**FIG. 1(c)**

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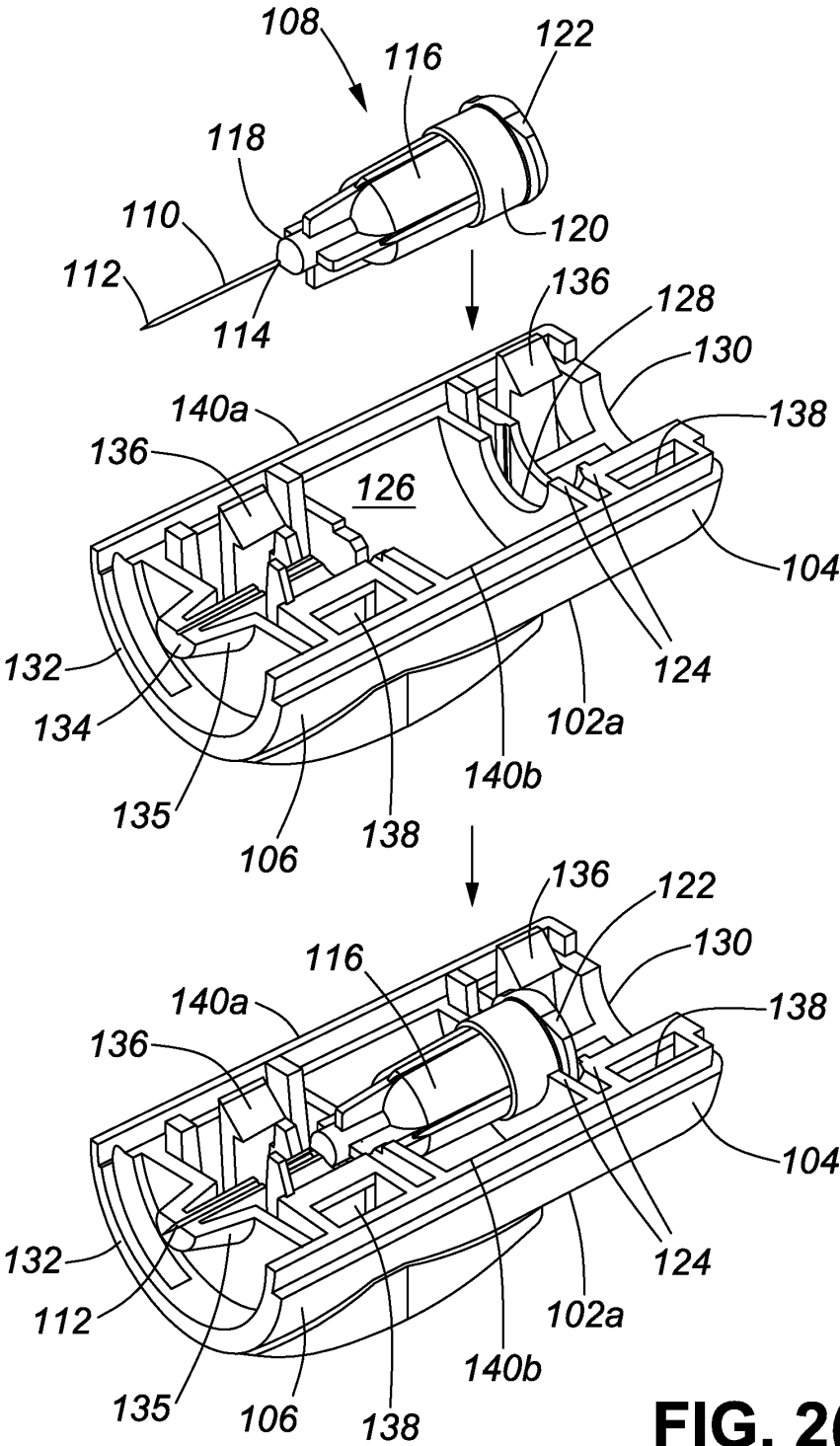


FIG. 2(b)

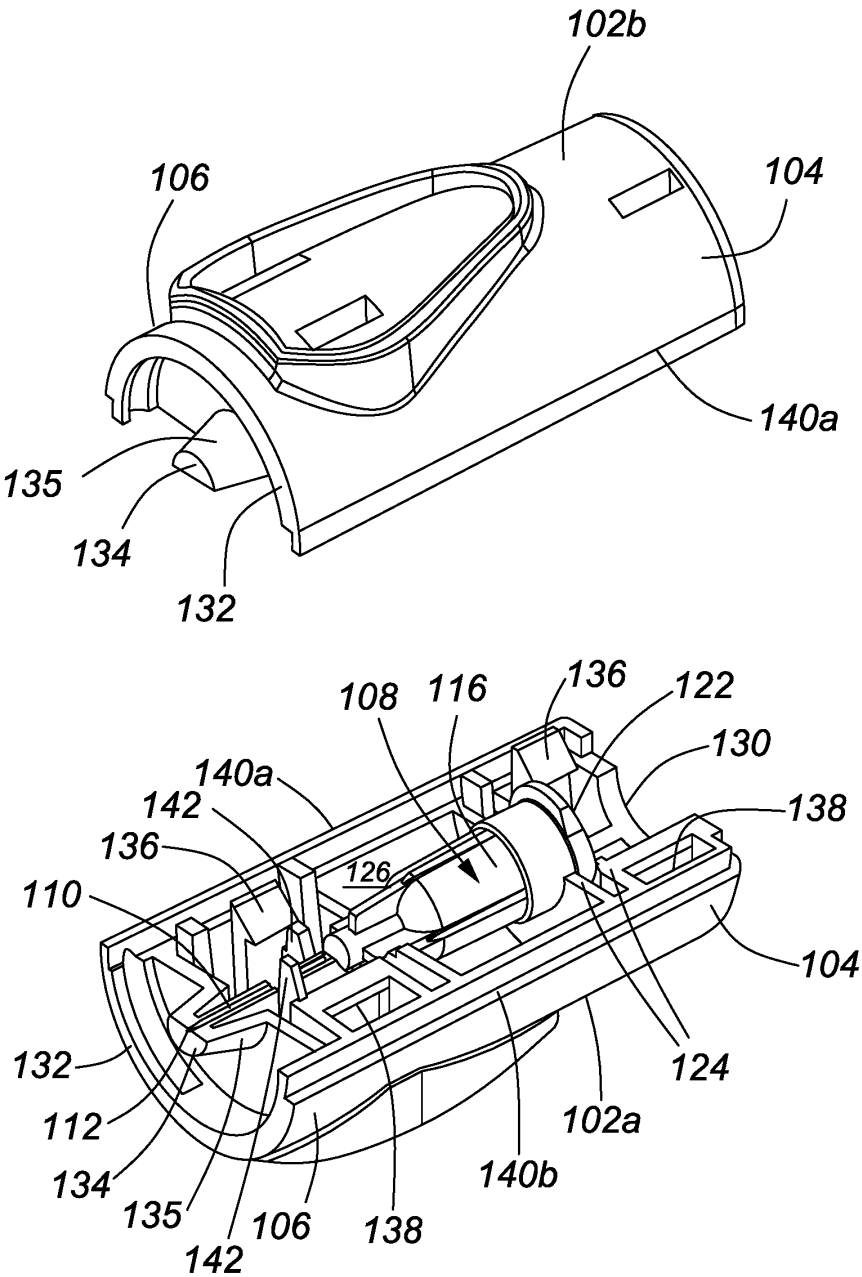


FIG. 3(a)

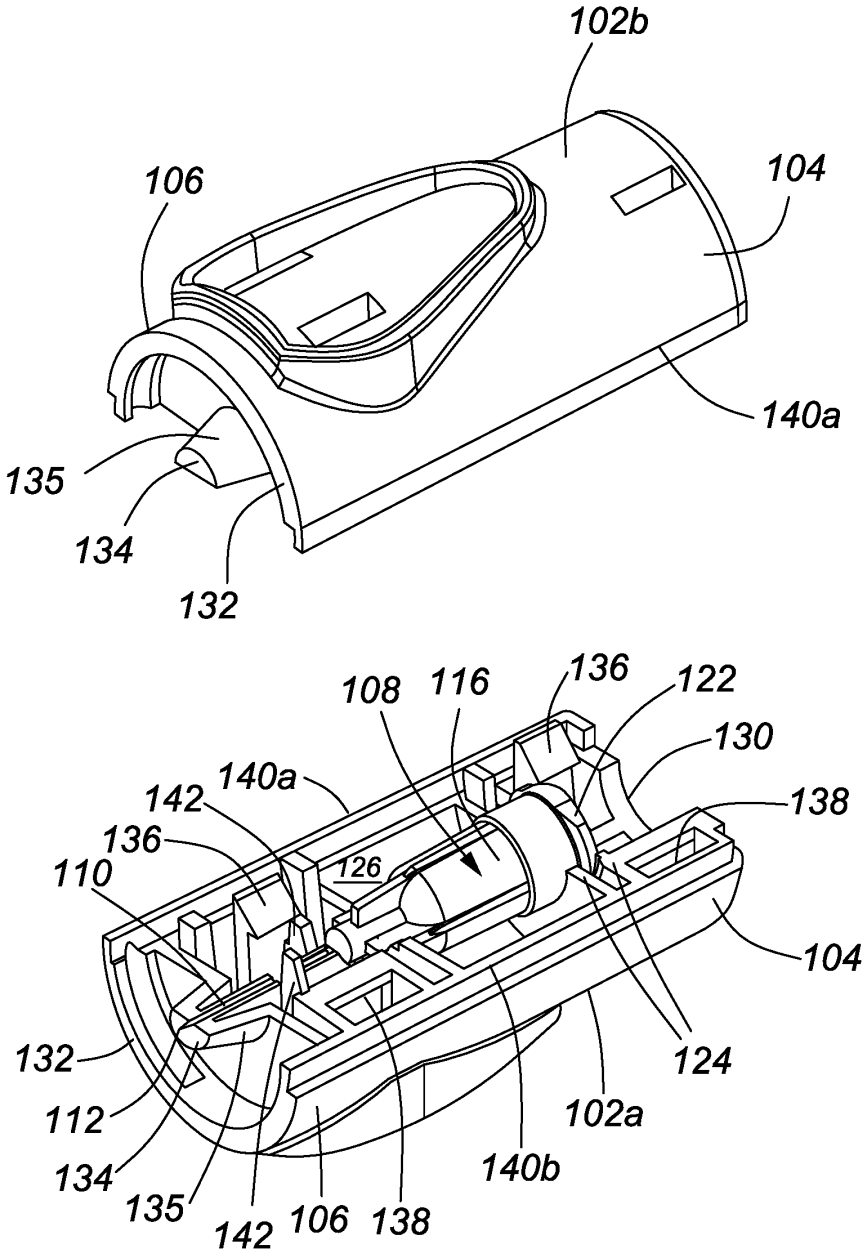


FIG. 3(b)

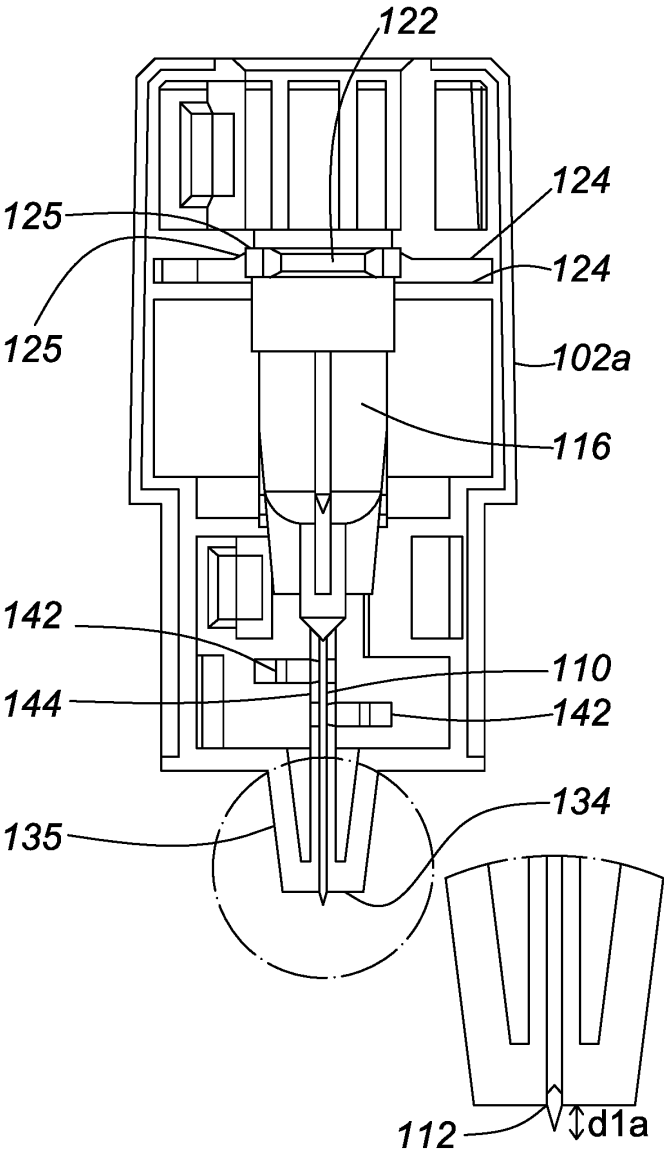
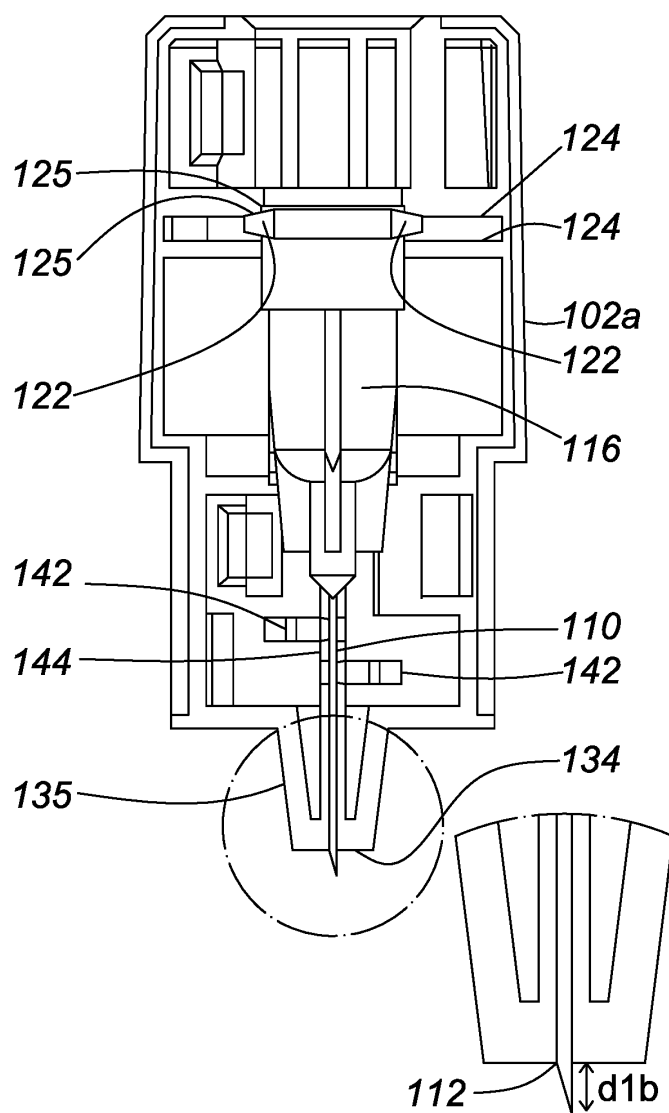
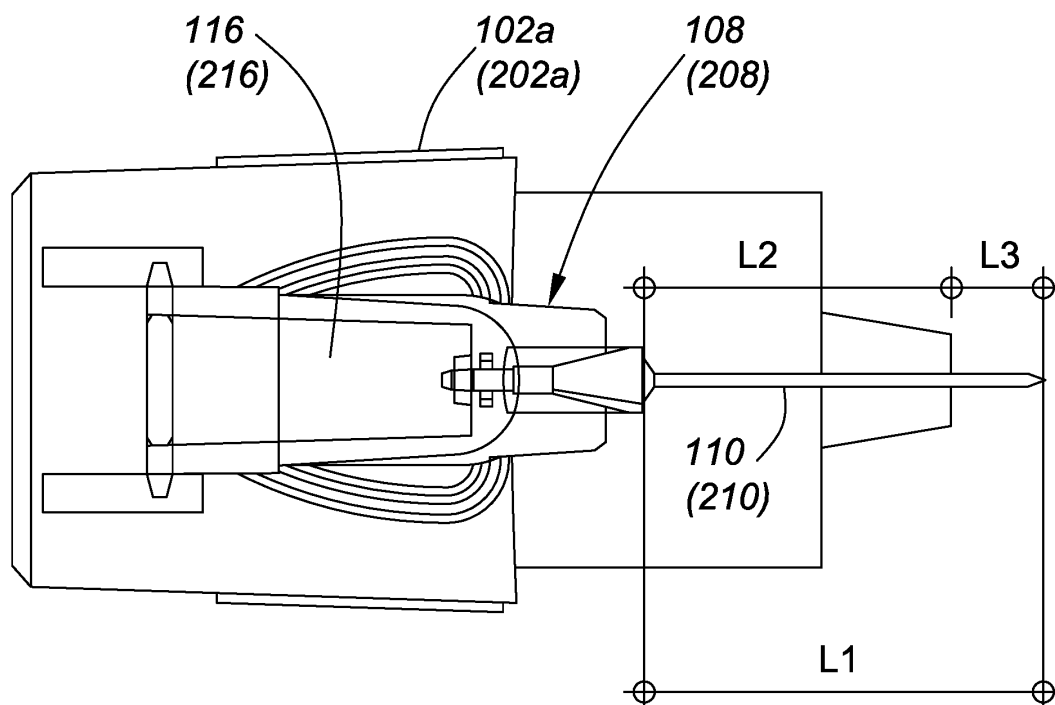


FIG. 4(a)

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**FIG. 4(b)**

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L1 = length of needle shaft 110 (210) - e.g. 12mm

L2 = length of needle shaft within the device (2 possible orientations)

e.g. 11.00 mm with the pair of radially extending diametrically opposing flanges 122 (222) extending directly into, and out of, the plane of the paper (vertical position).

e.g. 11.25 mm with the pair of radially extending diametrically opposing flanges 122 (222) extending from side-to-side (horizontal position).

L3 = predefined distance d1 (eg. d1a or d1b for needle adaptor 100; d2a or d2b for needle adaptor body 200 of assembly 201) that the first end 112 (212) of the needle shaft 110 (210) extends out of the second contact surface 134 (234) (i.e. penetration depth of needle shaft)

FIG. 5

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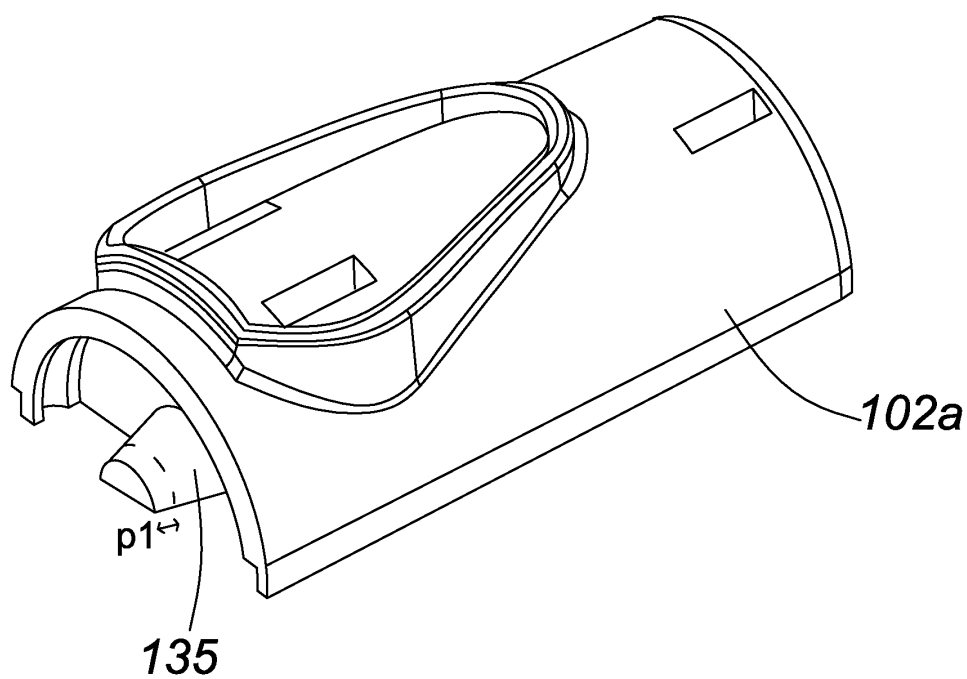


FIG. 6

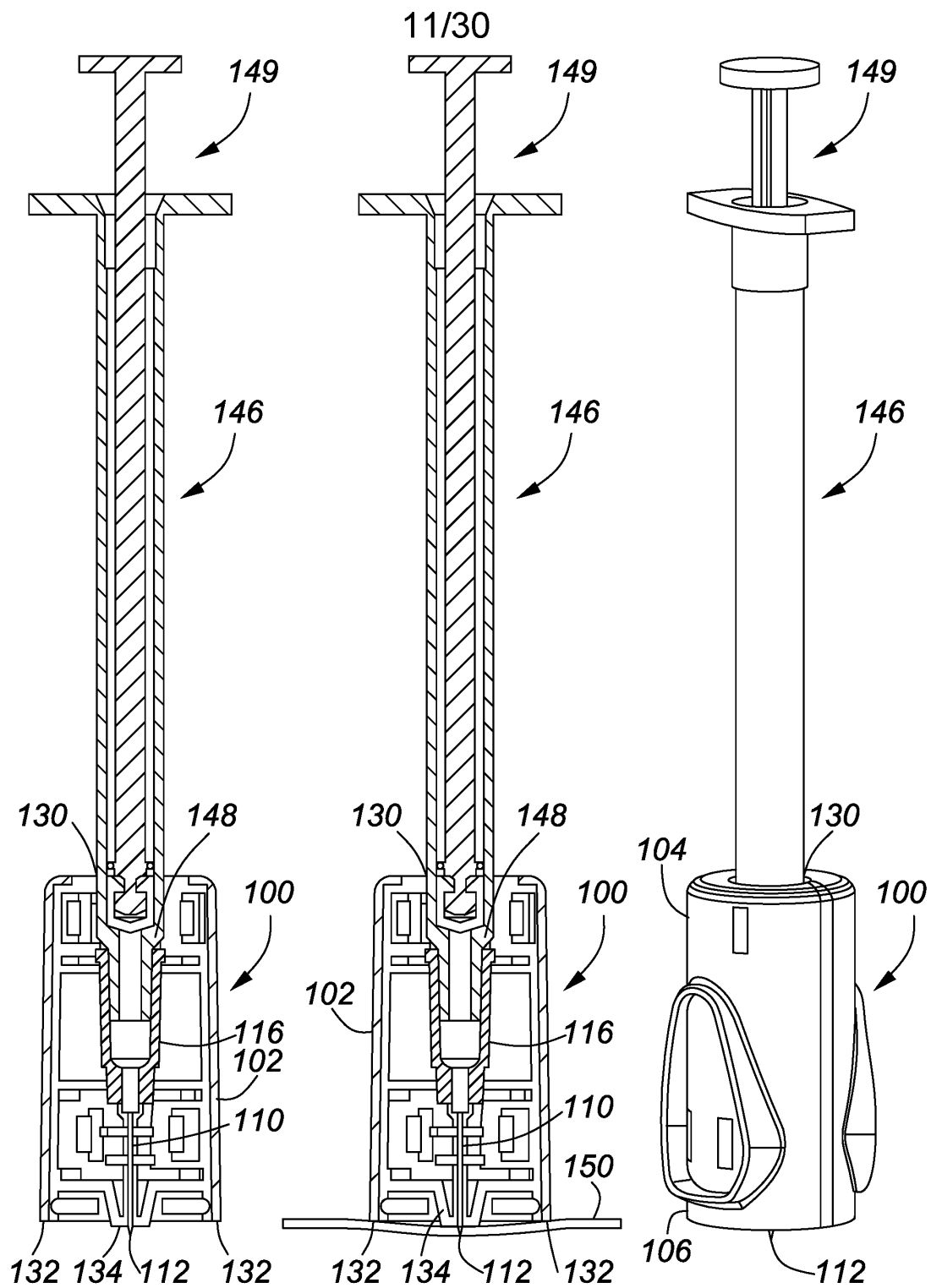
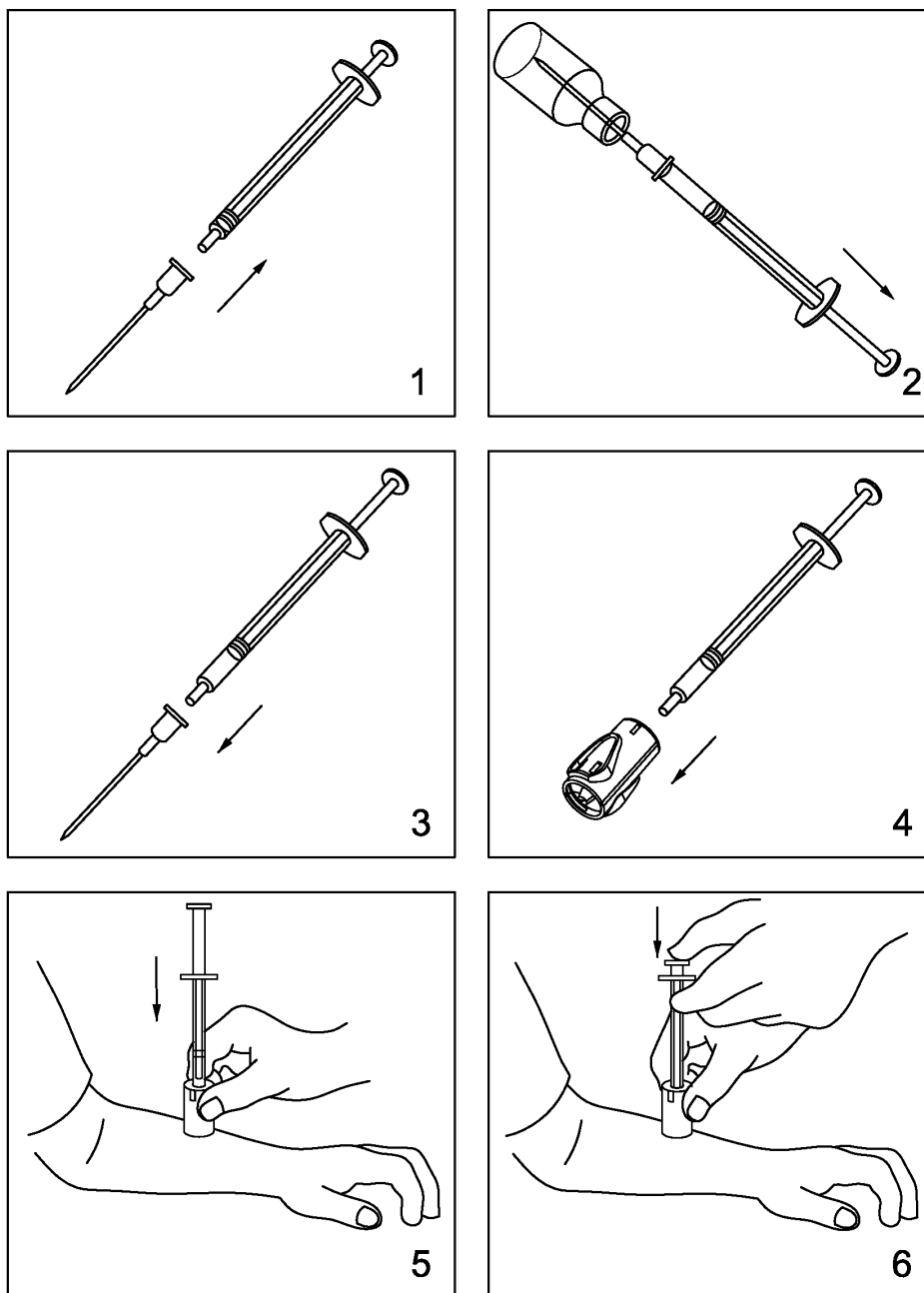


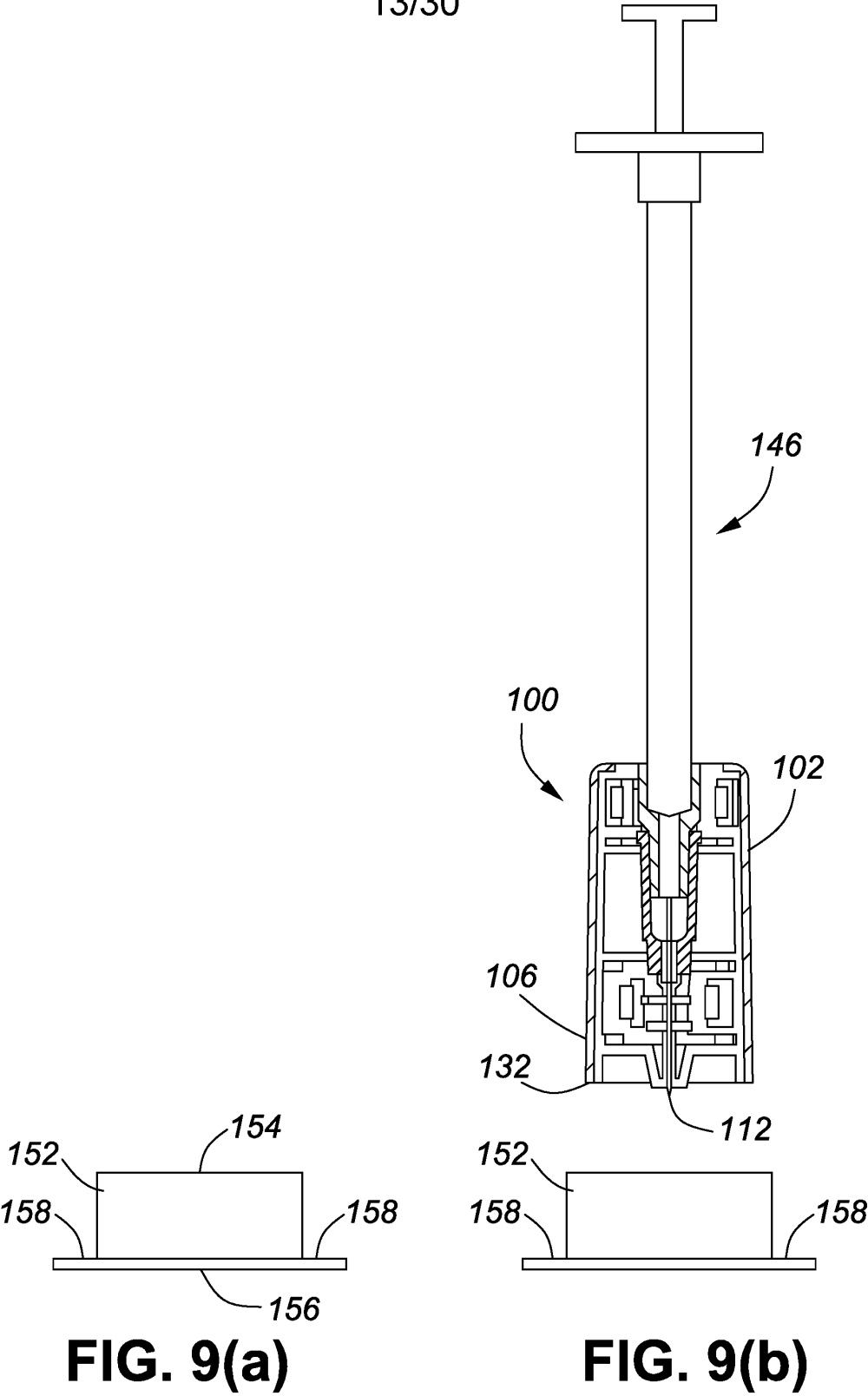
FIG. 7(a)

FIG. 7(b)

FIG. 7(c)

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**FIG. 8**



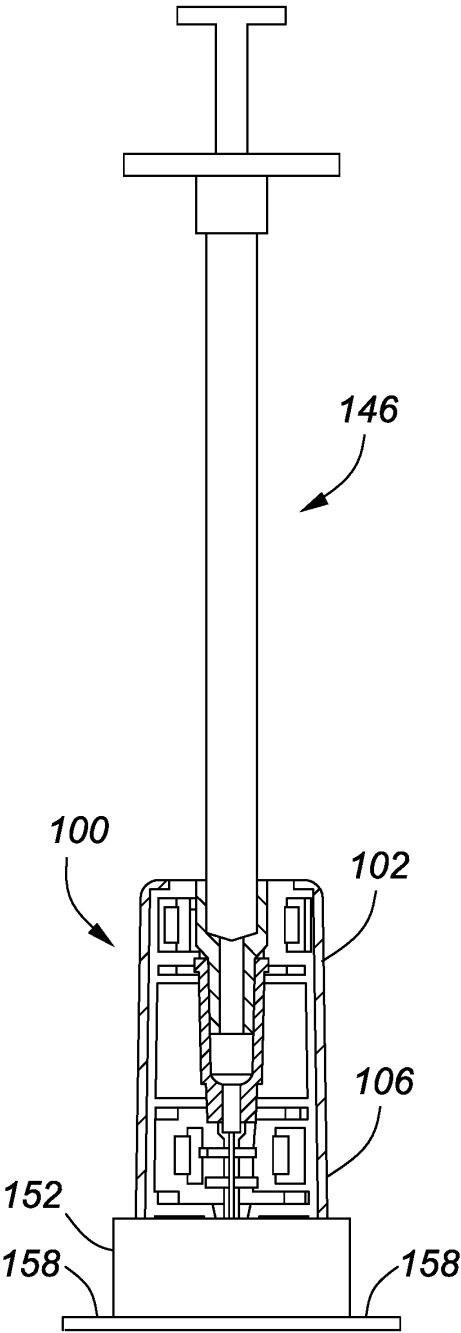


FIG. 9(c)

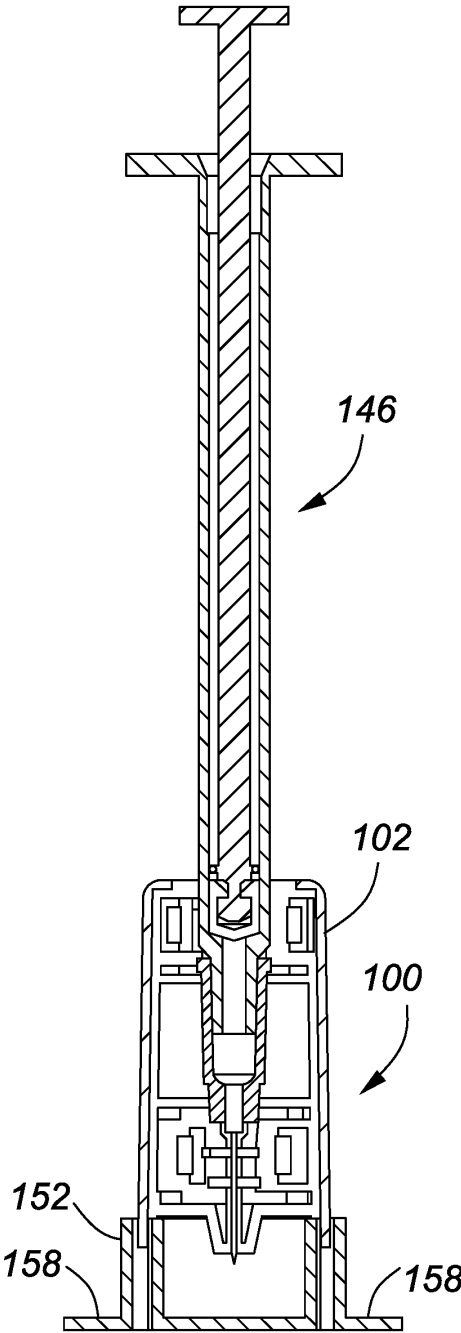
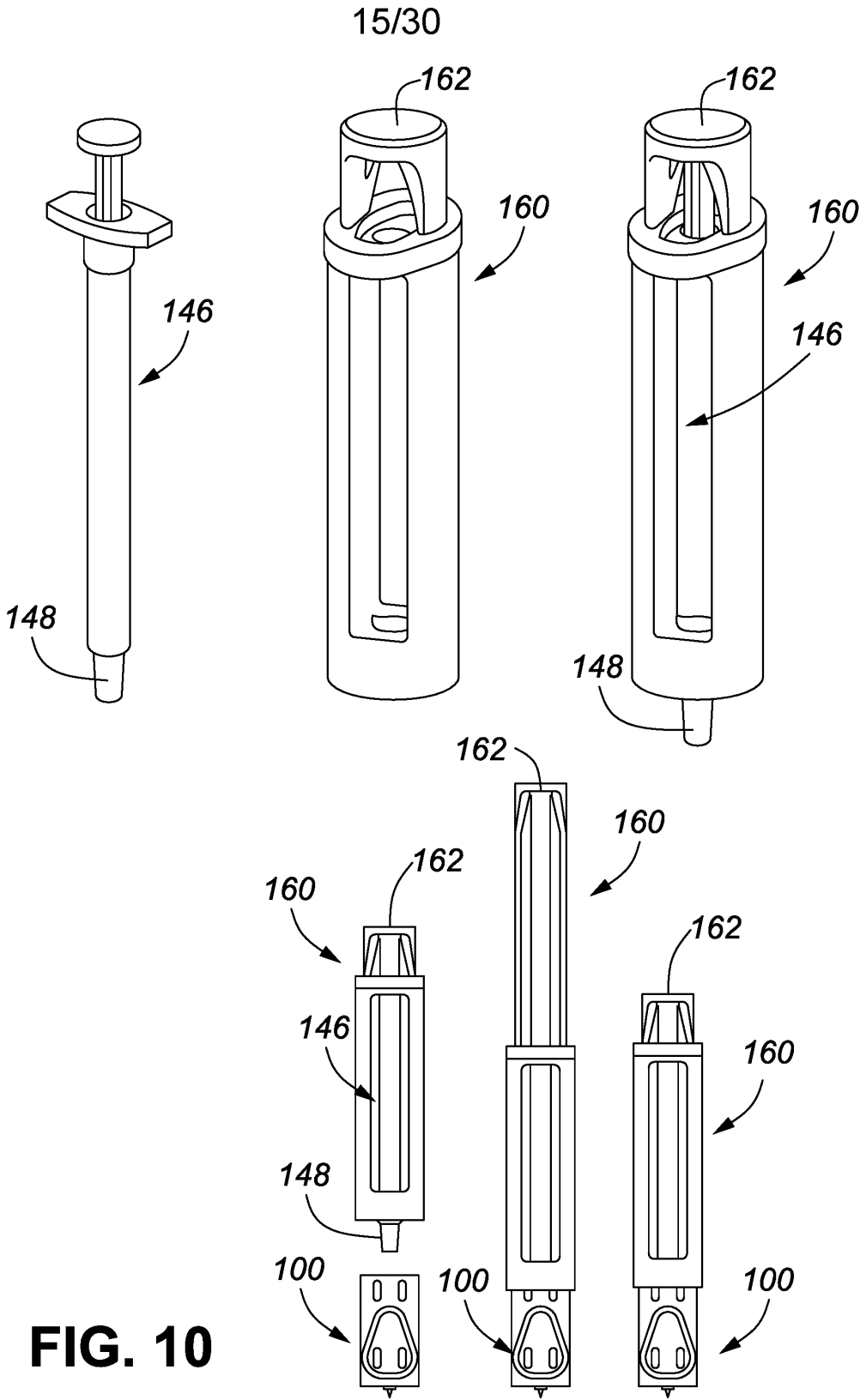


FIG. 9(d)



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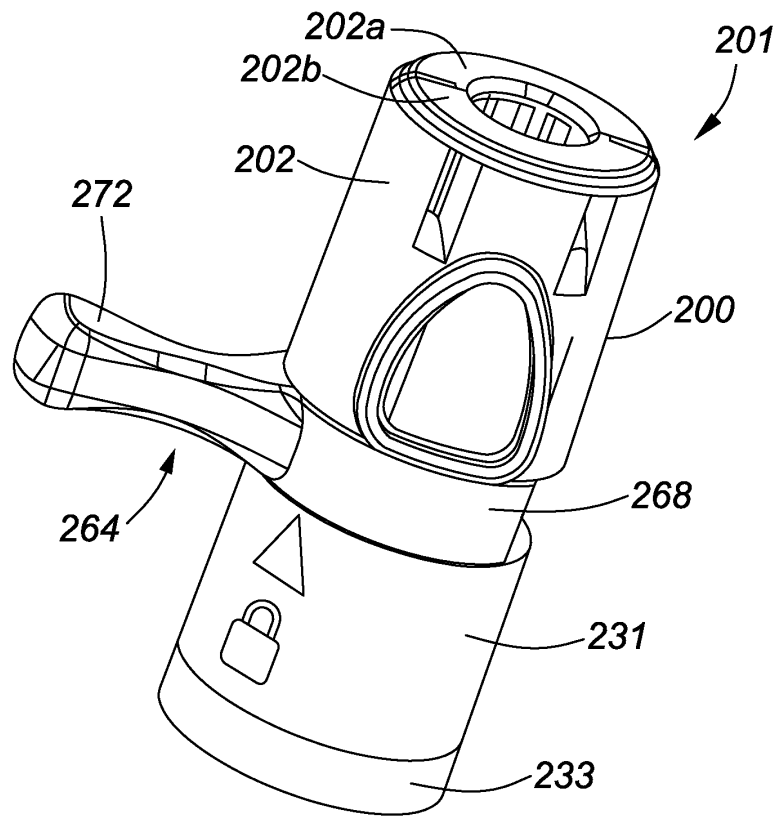


FIG. 11(a)

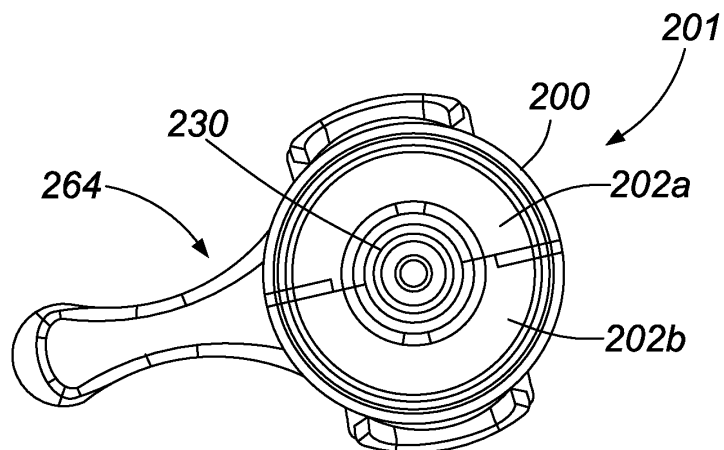


FIG. 11(b)

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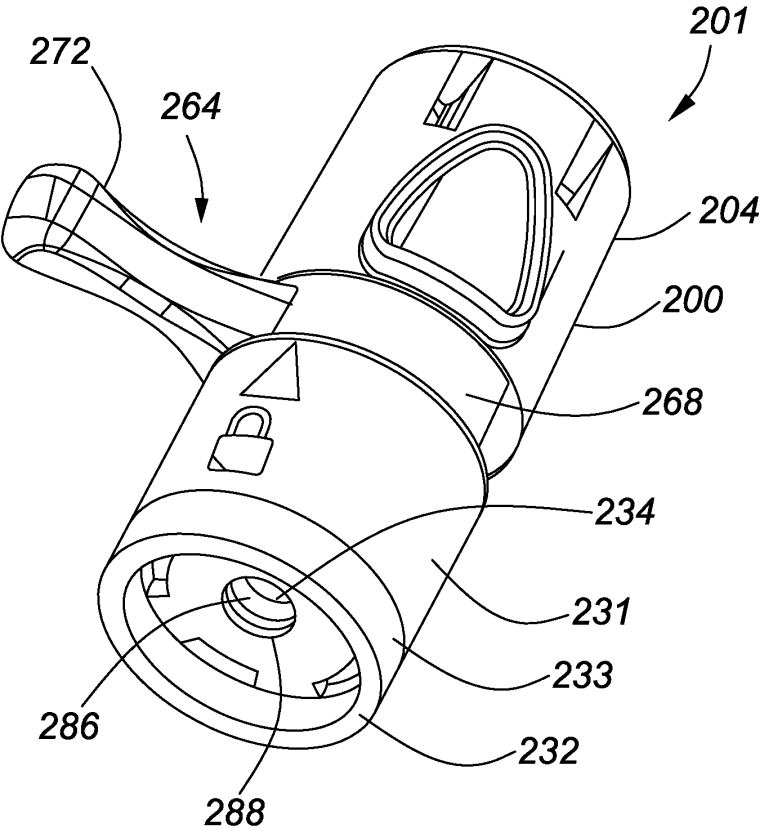


FIG. 11(c)

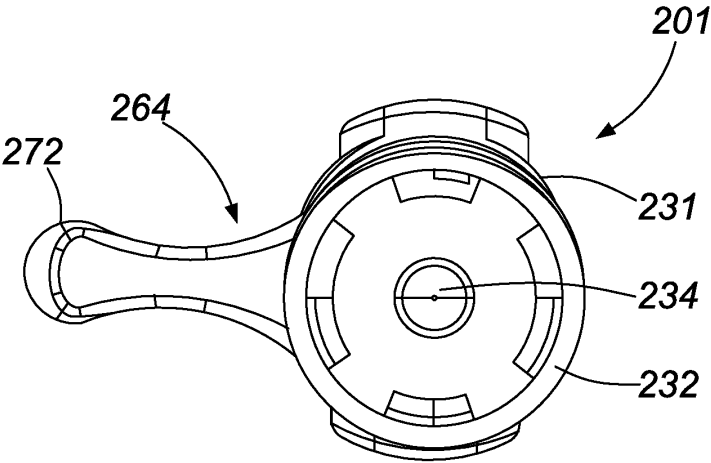
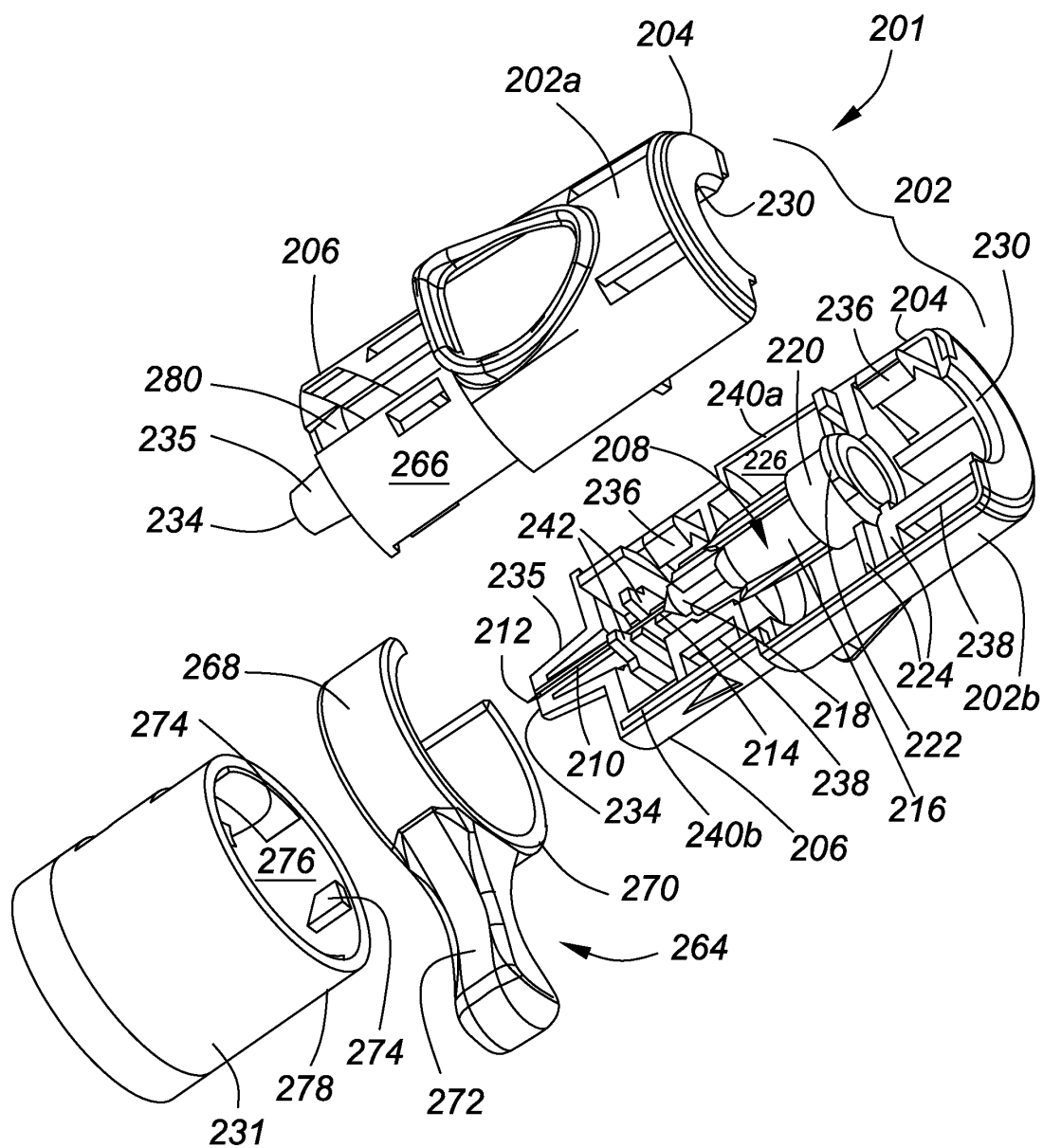


FIG. 11(d)

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**FIG. 12**

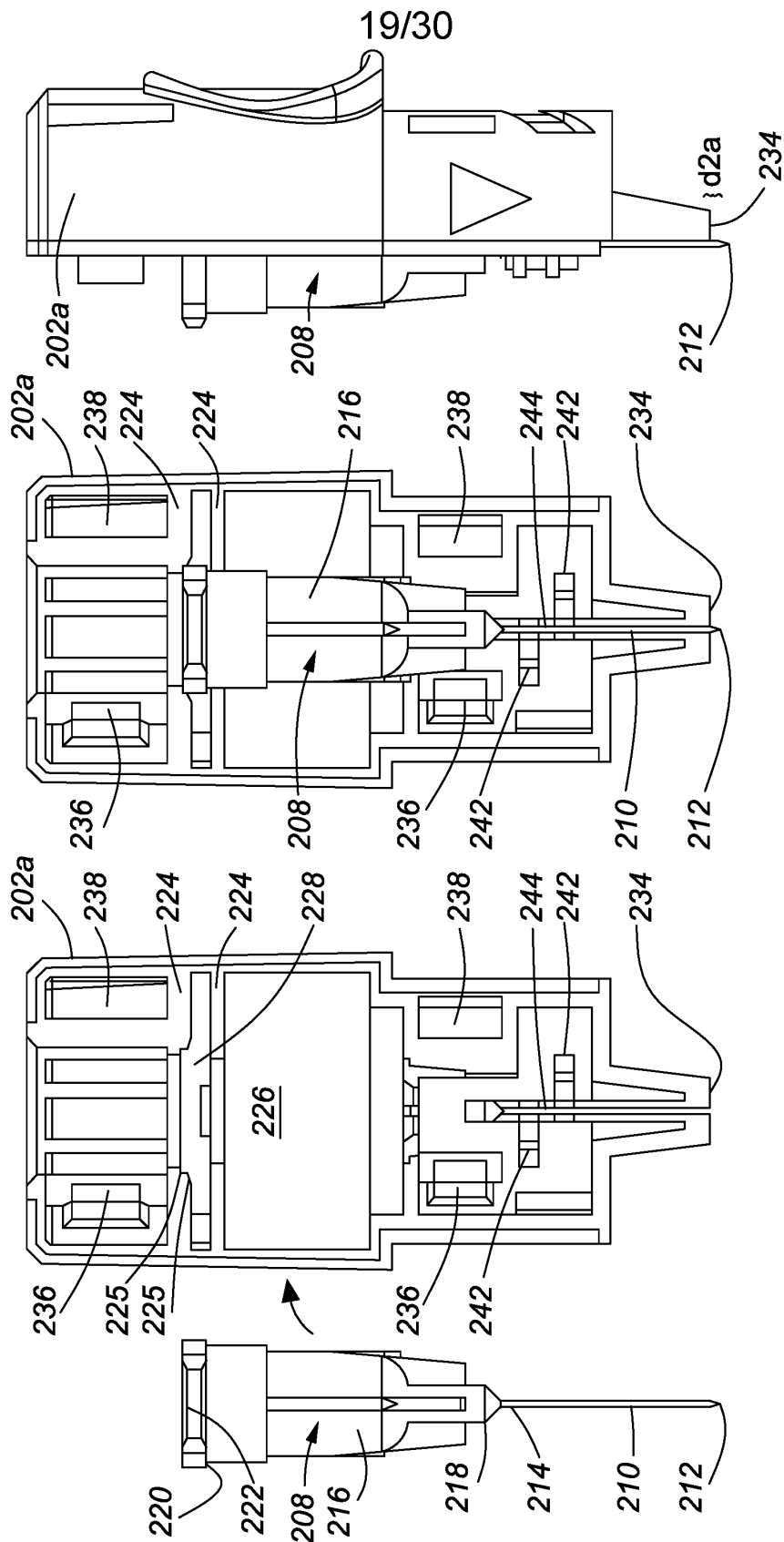


FIG. 13(a)

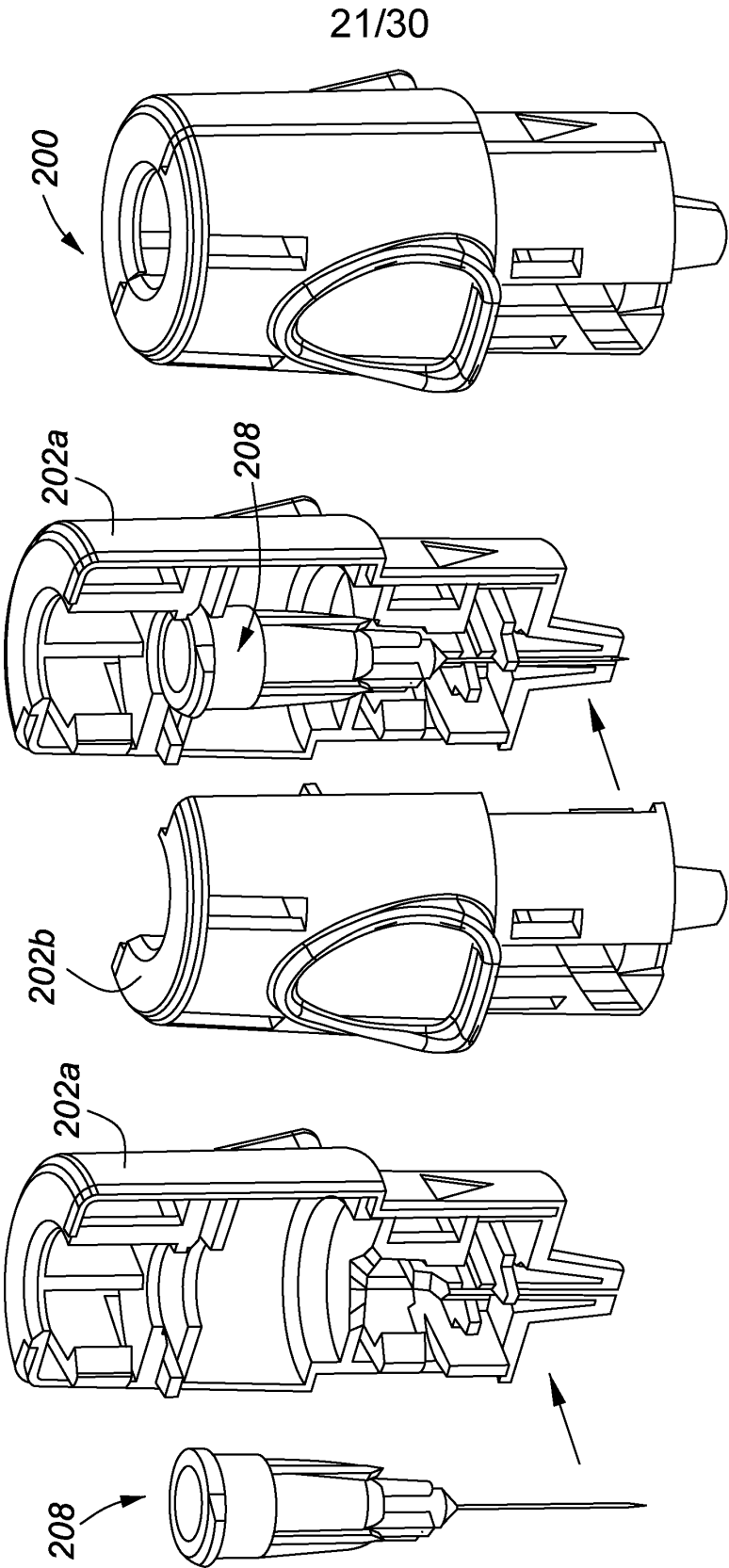


FIG. 14(a)

FIG. 14(b)

FIG. 14(c)

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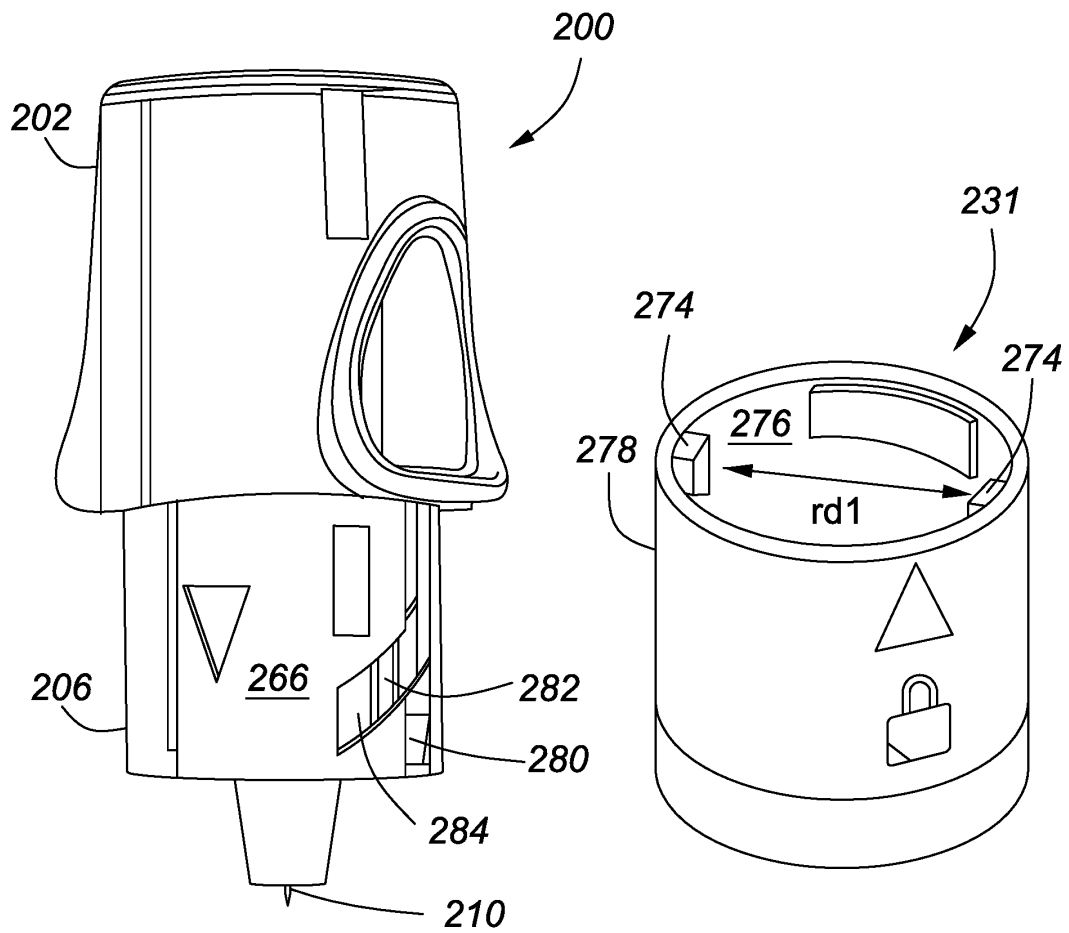


FIG. 15

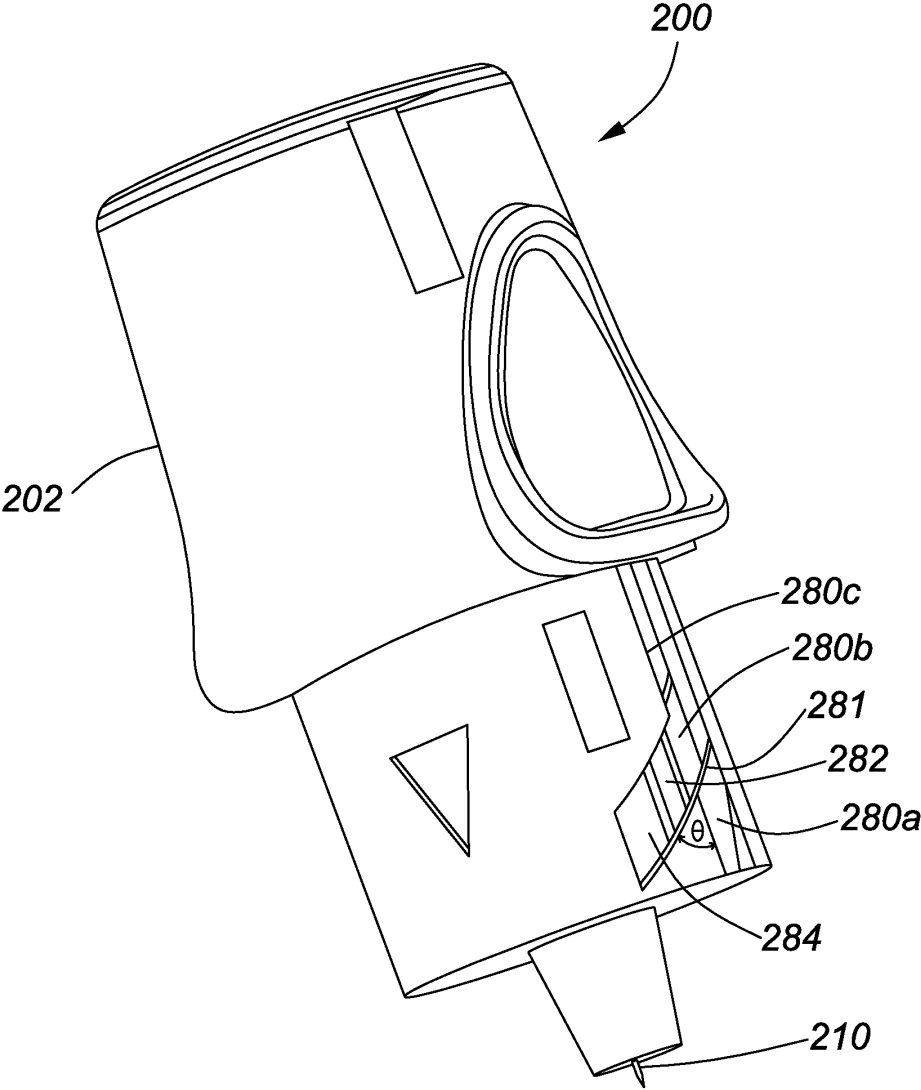


FIG. 16

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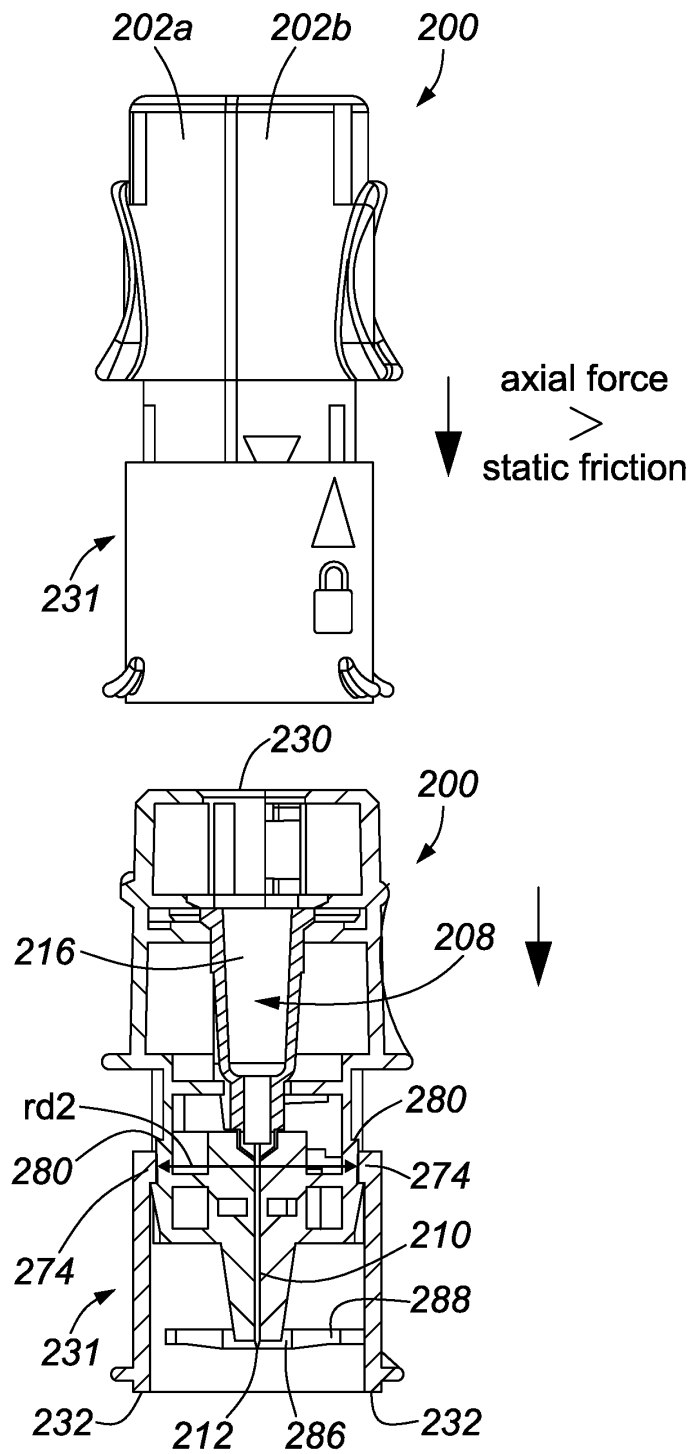


FIG. 17(a)

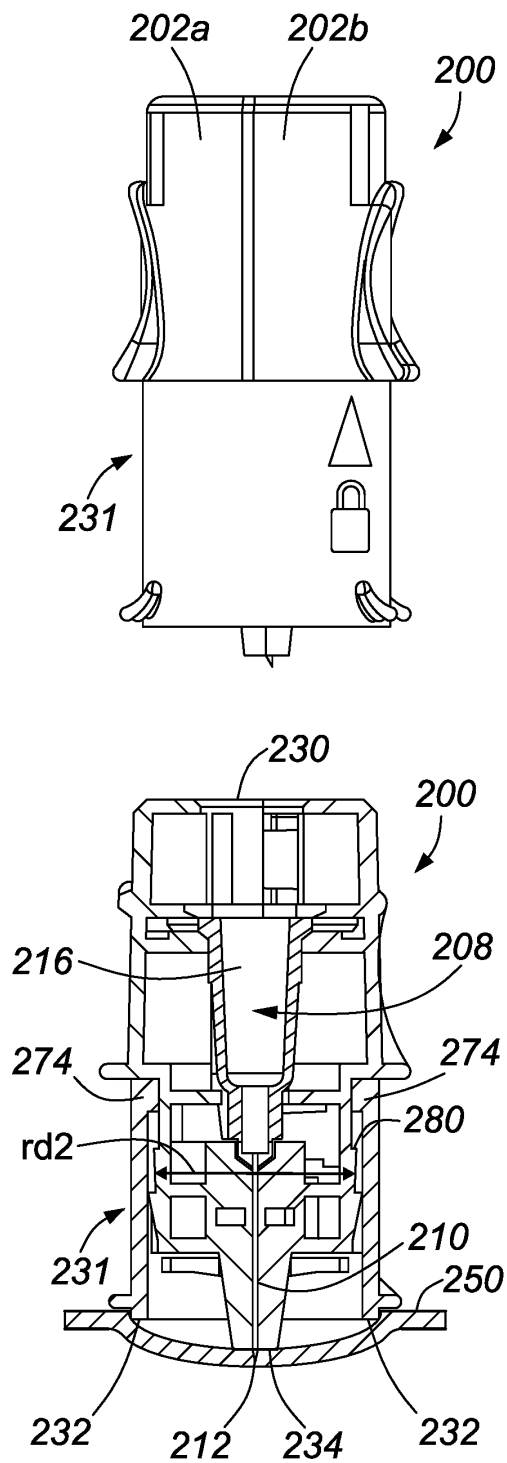


FIG. 17(b)

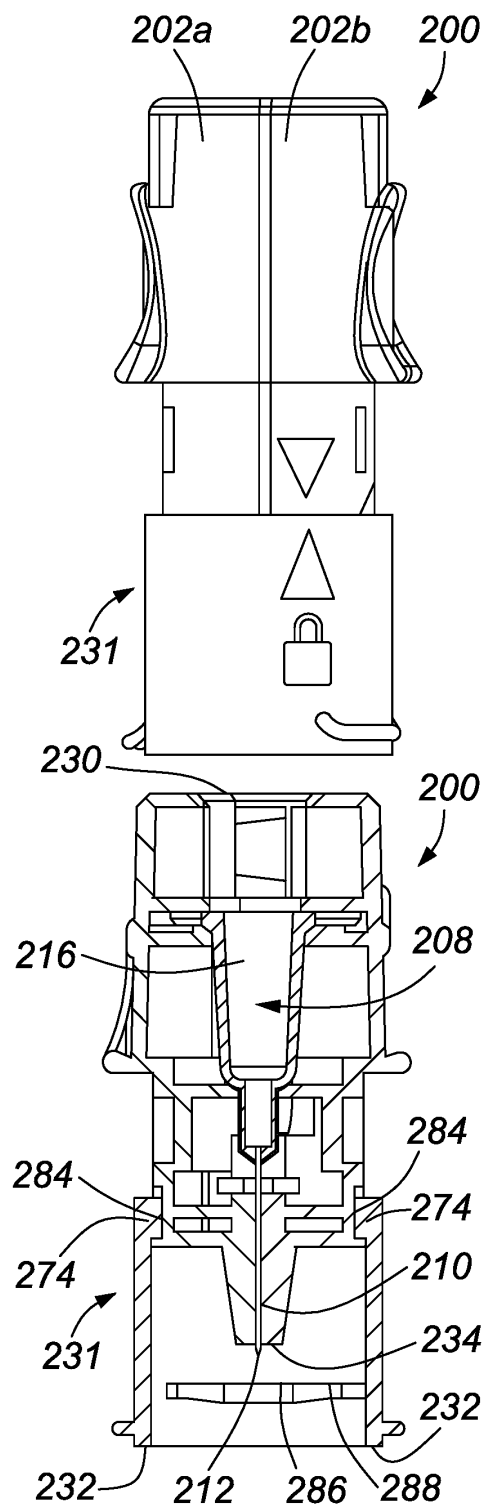
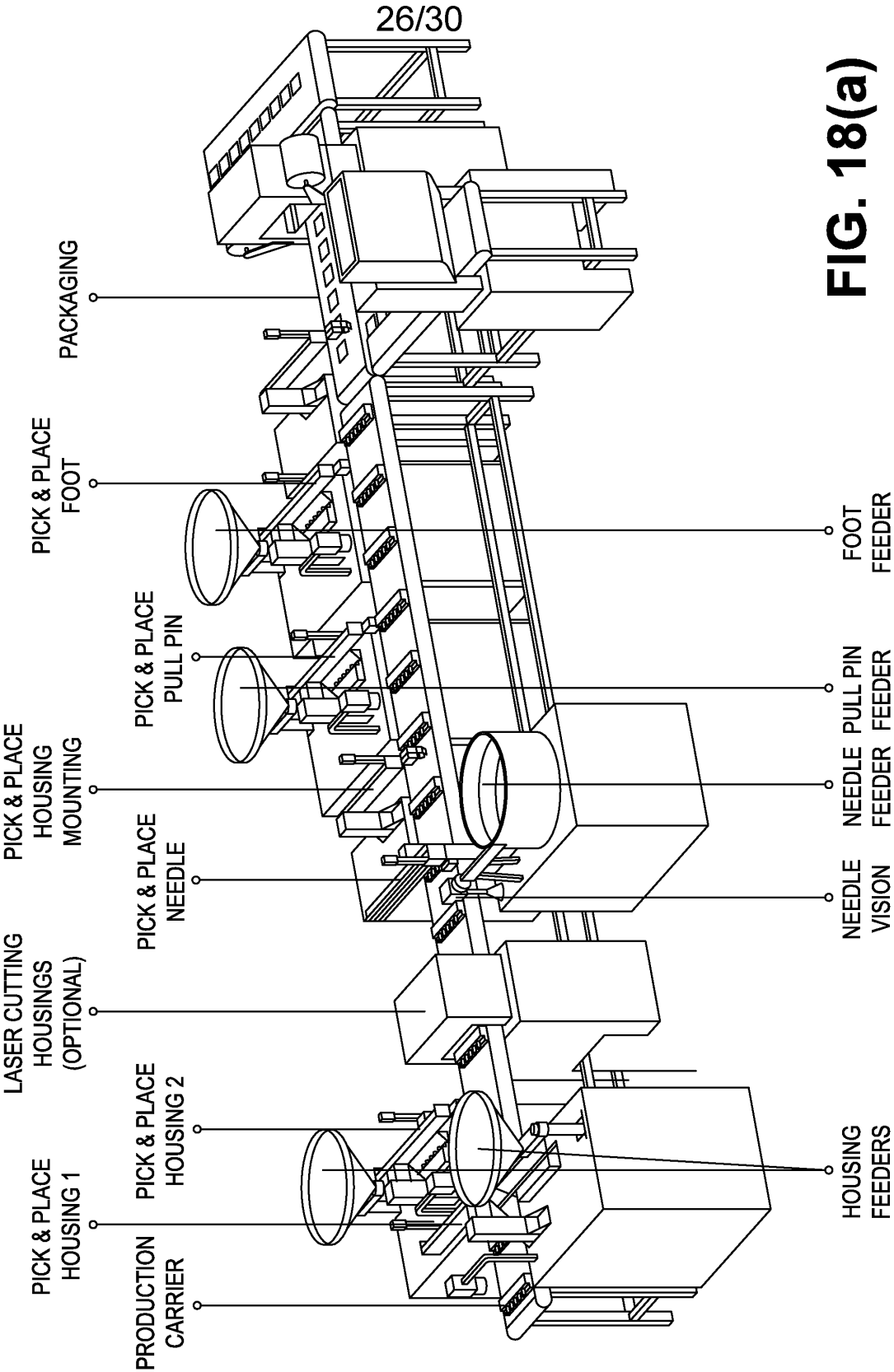
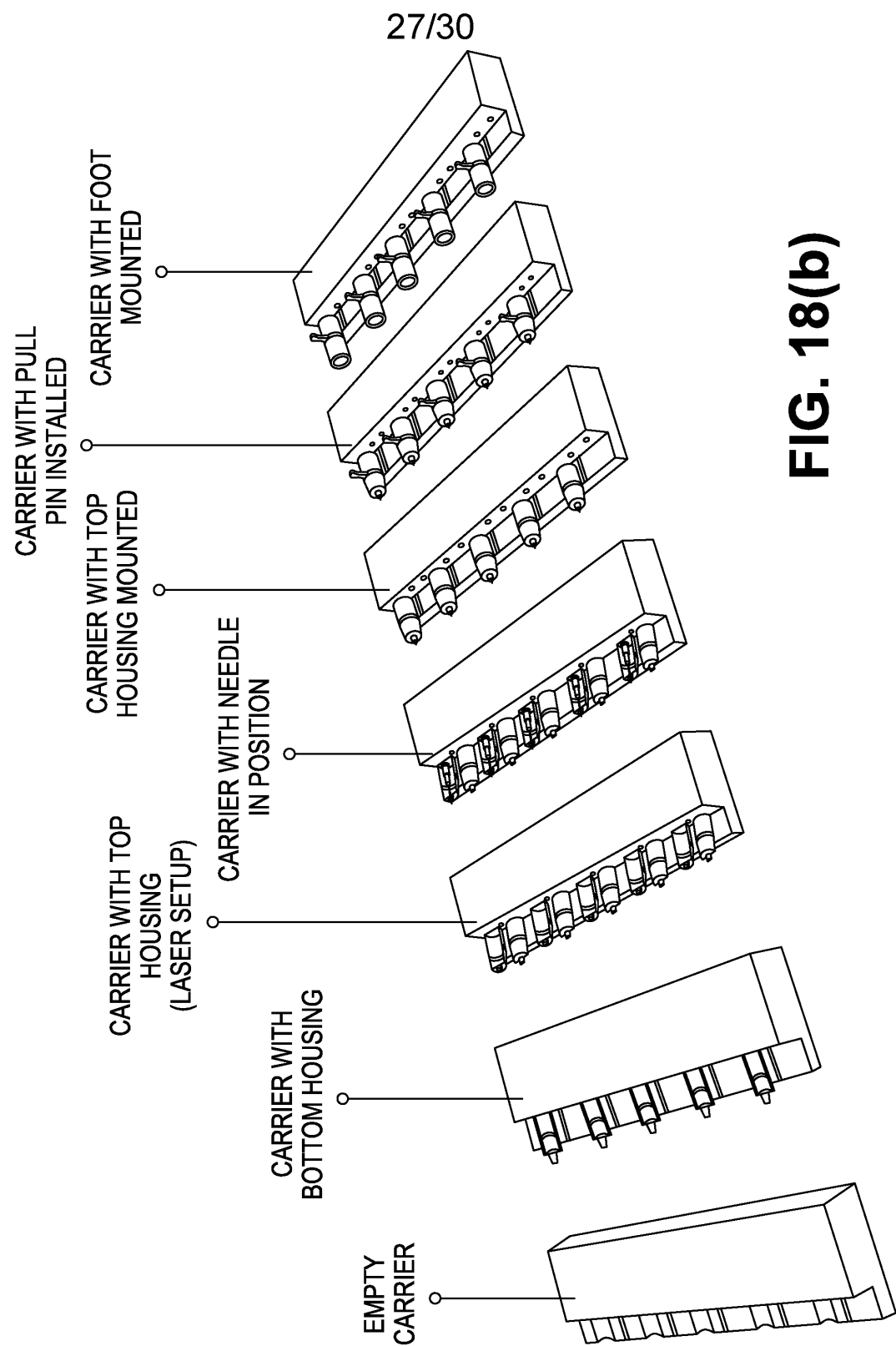


FIG. 17(c)





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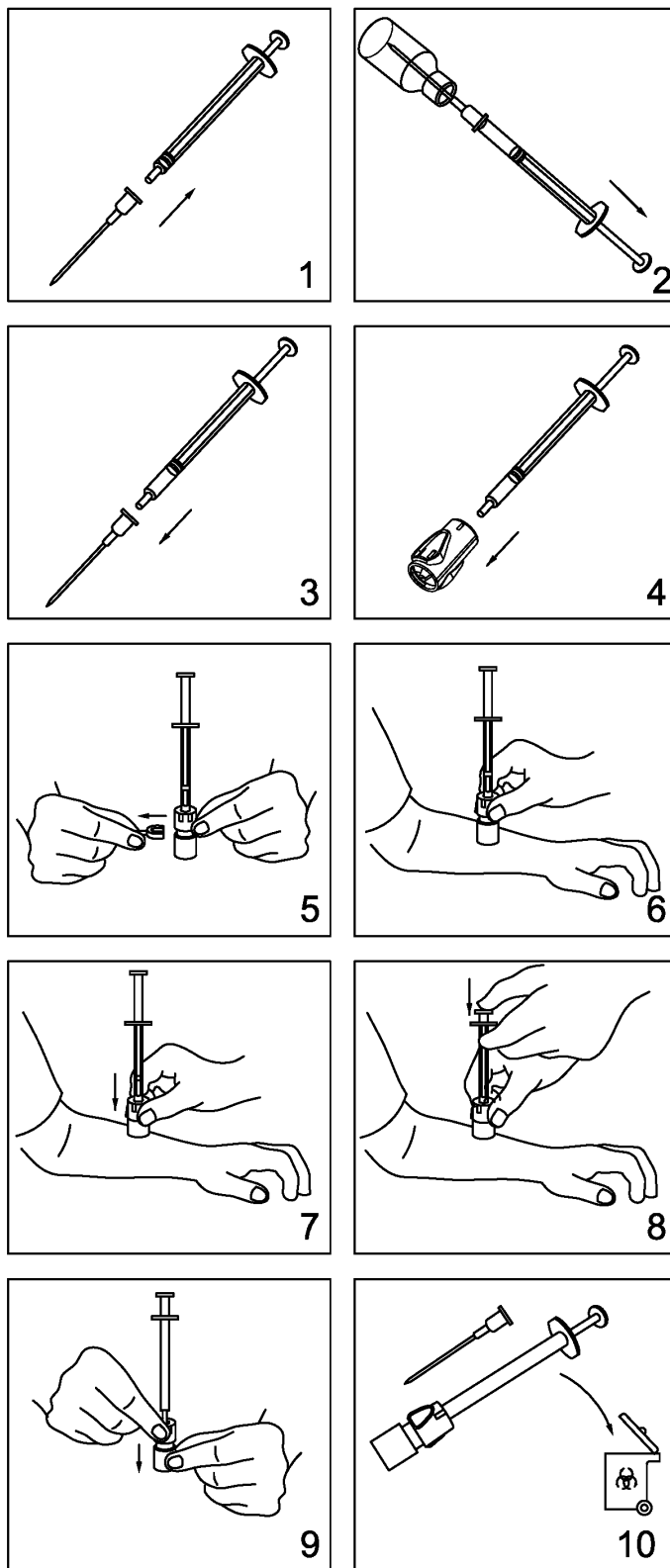


FIG. 19

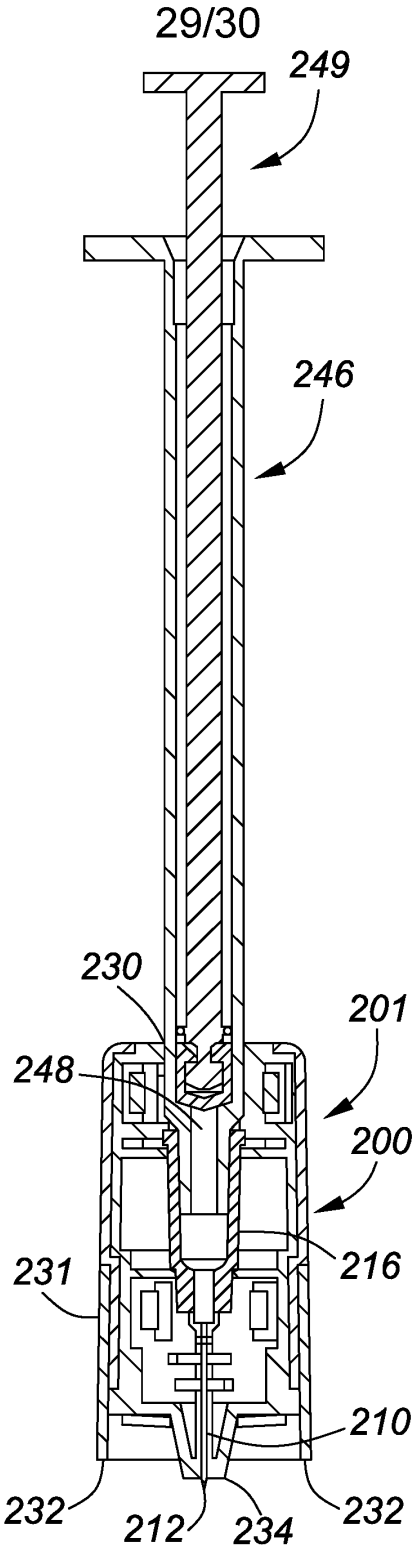


FIG. 20(a)

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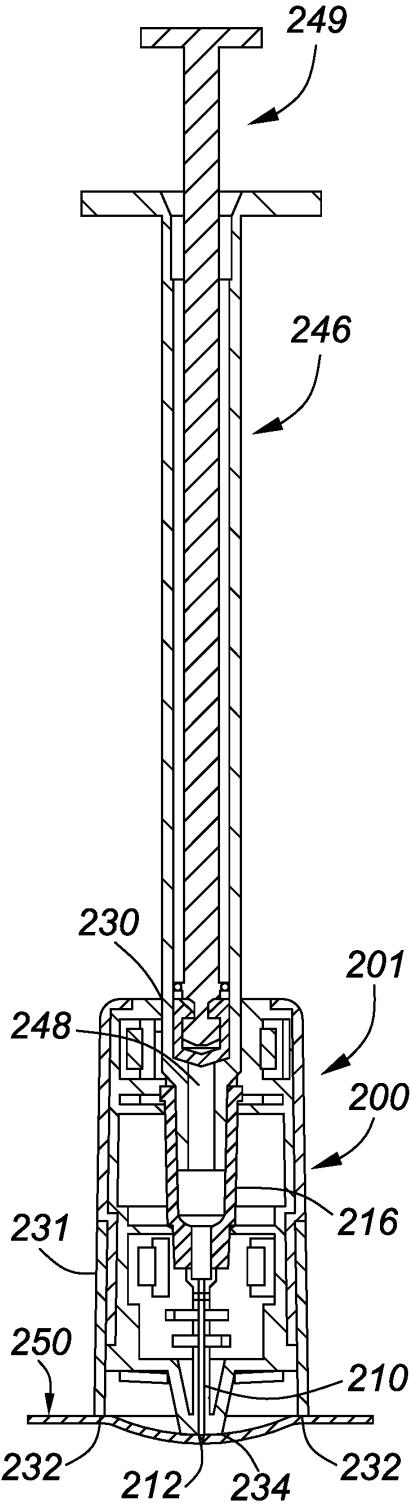


FIG. 20(b)

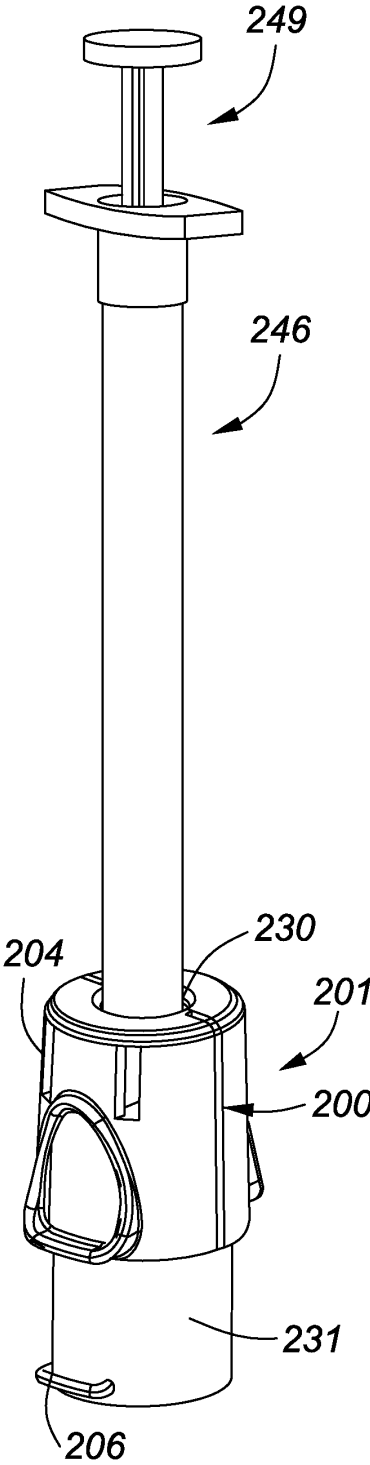


FIG. 20(c)