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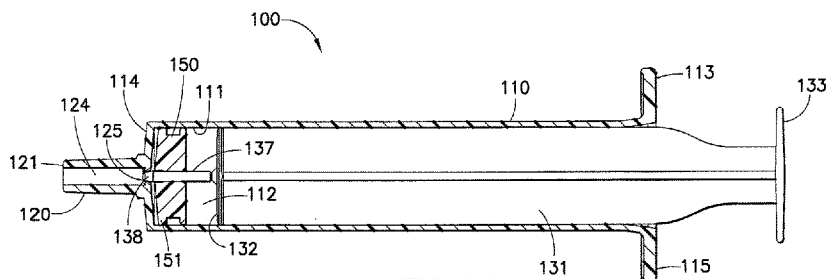


FIG. 14

(57) Abstract: Various embodiments of syringe assemblies include a syringe barrel and a substantially conical tip or outlet dis-
posed on the distal end of the barrel. The substantially conical tip includes a locking mechanism that engages an extension of a
plunger assembly extending from a distal end of the plunger assembly so as to retain the extension within the substantially conical
tip or outlet upon full injection of the contents of the syringe to a patient. According to one embodiment, a plunger head of the
plunger assembly is slidably disposed on the extension. According to another embodiment, a separate hub, which holds a needle
cannula, is disposed on an outlet at the distal end of the syringe barrel, which contains the locking mechanism. According to a fur-
ther embodiment, the locking mechanism includes a locking clip disposed within the substantially conical tip of the syringe as-
sembly.