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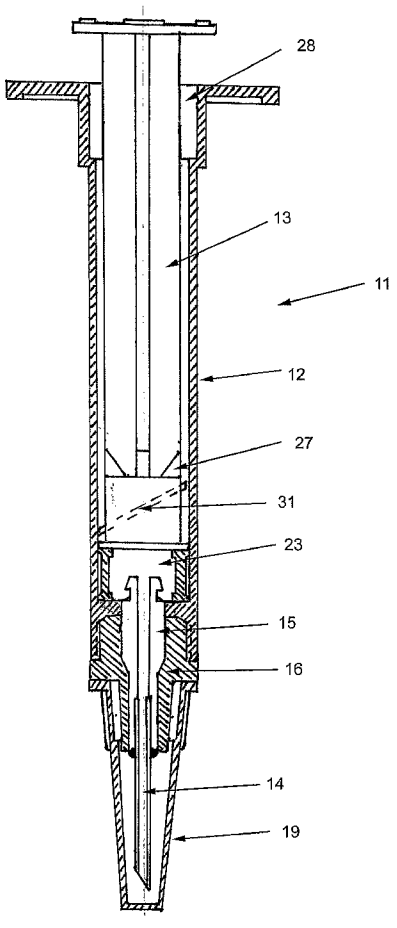
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(54) Title: EXCHANGE NEEDLE RETRACTABLE SAFETY SYRINGE



(57) Abstract: A safety syringe comprising a syringe barrel (12), a plunger (13), a needle (14), a needle hub (15) integral with the needle, a needle gland (16) to accommodate the needle and hub, and a needle cap (19) to protect the needle prior to use. The plunger has engagement means (25, 36) located on its end to engage with the needle hub in order to retract the needle from the gland and into the syringe barrel after the syringe has been used. The plunger is provided with a threaded split bush (28), which has a multi start thread. When the plunger is fully retracted with the needle attached, the plunger has one or more lugs (31) that come into contact with the threaded split bush so that the plunger is thereby locked. Hence the needle is locked in the barrel. The plunger may be snapped off retaining the needle safely within the syringe barrel.

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