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(54) **RECTANGULAR SYRINGE**

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(58) **Field of Classification Search**

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See application file for complete search history.

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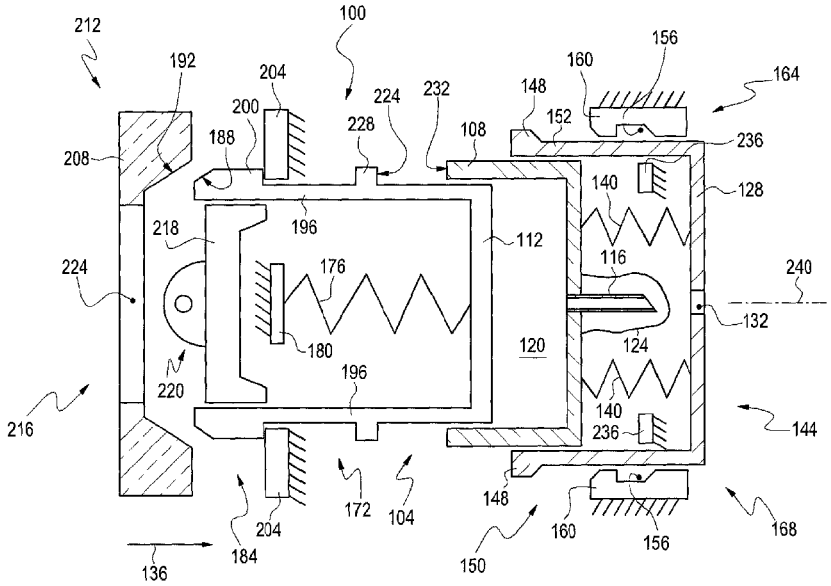
(57) **ABSTRACT**

An auto-injection syringe shaped similar to a credit card and having a biased injection mechanism operable to drive a needle into a user's body by a fixed distance to dispense a dose of fluid at a subcutaneous location. A safety may be provided to avoid undesired actuation of the injection mechanism. After the safety is bypassed, a trigger may be actuated by the user to allow operation of the injection mechanism. A reciprocating needle-cover resists casual view of the needle by the user during and after use of the syringe. A locking mechanism automatically holds the needle-cover at an extended position to isolate the needle from further contact and to resist re-use of the syringe.

16 Claims, 4 Drawing Sheets