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(54) Title: AUTOMATIC INJECTION DEVICE

(57) Abstract: The invention provides an automatic injection device for providing a subcutaneous injection of a substance into a user, comprising: a housing having an open first end and a second end; a syringe movably disposed in the housing, the syringe including a barrel portion for holding the substance, a hollow needle in fluid communication with the barrel portion for ejecting the substance from the syringe, and a bung for sealing the barrel portion and selectively applying pressure to the substance to force the substance through the hollow needle; a plunger for first moving the syringe towards the first end such that the needle projects from the first end and subsequently applying pressure to the bung, the plunger including a rod connected at a first end to the bung, a compressible expanded central portion and a flange between a second end of the rod and the compressible expanded central portion; and a biasing mechanism for biasing the plunger towards the first open end of the housing, the biasing mechanism disposed about the second end of the rod between the flange and the second end of the housing. The present invention also provides methods and kits for using an automatic injection device, and methods and kits for promoting an automatic injection device comprising a medication based on advantageous properties of the device as compared to a pre-filled syringe. The invention also provides methods and kits for training a recipient on use of the automatic injection device.

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