

ABSTRACT
INJECTION DEVICES

The invention relates to an injection device which includes a handle and a guard which together enclose a movable cartridge which can contain liquid material to be injected, and further enclose a movable injector that includes a needle, the needle being attached to a housing where the housing is attached to the cartridge, the device also including a delivery mechanism whereby the needle is moved from a retracted to an extended position, and independently the volume of the chamber may be adjusted to expel the contents thereof through the needle and into a subject in need thereof. The injection device may be communicatively connected to a control unit so as to provide a dermal injection system.

[FIG.10]