Embodiments of the invention provide a treatment device for a smoking article, which allows a better distribution of the treatment fluid throughout the smoking article, while at the same time being compact and safe to operate.

According to the first aspect of the present invention, there is provided a handheld treatment device for a smoking article, comprising: a smoking article receiving portion shaped and configured to receive at least a portion of a smoking article; and a needle storage portion with a needle holder and a needle connected to the needle holder; wherein the needle is movable between an extended position in which the needle extends at least partially into the smoking article receiving portion and a retracted position in which the needle is fully retracted into the needle storage portion with respect to the extended position, to protect an operator from the needle, wherein the treatment device is configured to inject a treatment substance through the needle into a smoking article while the needle is moved with respect to the smoking article.

According to a second aspect, there is provided a cartridge for the above treatment device, wherein the cartridge comprises a treatment substance for a smoking article, wherein the cartridge comprises a plunger receiving means which is adapted to receive a plunger to force the treatment substance out of the cartridge, and wherein the cartridge has at least one side wall which is adapted to be perforated by a second end of the needle, such that the second end of the needle may protrude into the inside of the cartridge, wherein the treatment substance is stored.

According to an embodiment of the invention there is provided a handheld treatment device in which the needle is movable between an extended position in which the needle extends at least partially into the smoking article receiving portion and a retracted position in which the needle is fully retracted into the needle storage portion with respect to the extended position, to protect an operator from the needle. In particular, in the retracted position, the needle storage portion encloses the needle, such that the operator is prevented from touching the needle. Preferably, an enclosure may be provided around the needle, wherein the enclosure extends along the longitudinal length of the needle in its retracted position. The enclosure may be comprised of one or several walls, which may be curved or flat, and which extend substantially around the full circumference of the needle. Thus, by means of moving the needle the distance in between the extended position and the retracted position, the injection can be carried out along a portion of the smoking article without modifying the position of the smoking article.

A needle according to an embodiment of the present invention can be any dispensing element, which is adapted to extend into the smoking article storage portion to provide a