Claims

1. A skin puncturing apparatus for use in a non-surgical method for eradication of a tattoo from an area of skin, said apparatus comprising:
   (a) a handle section comprising a motor and gear assembly for causing a reciprocating motion to a shaft connected to said gear assembly;
   (b) a barrel section surrounding said shaft, the first end of said barrel section attached to said handle and the second end of said barrel section having a tip adapted to be placed in contact with said area of skin;
   (c) a bundle of needles attached by means of a needles holder to the distal end of said shaft;
   wherein said tip comprises:
   ~~(d)~~ (i) an inlet body comprising an inlet port through which cleaning solution is introduced into said tip located at the lower edge of said barrel section; and
   ~~(e)~~ (ii) an outlet body comprising an outlet port to which suction means are connected located proximally of said inlet body; and
   (iii) a space between the outer wall of a portion of said outlet body and the inner wall of said inlet body;

characterized in that:

— activating said motor causes, said bundle of needles to alternately be pushed out of said tip to puncture said area of skin and to be pulled back into said tip; and

— said inlet body is adapted such that, when a supply of fluid is attached to said inlet port, said fluid can flow continuously onto the needles in said bundle of needles, and wherein said fluid flows continuously into said space and streams in a direction perpendicular to the needles.

2. The apparatus of claim 1, wherein said needles holder, said outlet body, and said outlet port are adapted in one of the following ways:

(a) such that the interior end of said outlet port is blocked when said bundle of needles is pushed out of said tip and unblocked when said bundle of needles is pulled back into said tip; or

(b) such that the interior end of said outlet port is never blocked.

~~3.A method of using the skin puncturing apparatus of claim 1 in a non-surgical method for eradicating a tattoo from an area of skin, said method comprising:~~

~~(a)connecting a supply of fluid to the inlet port;~~

~~(b)connecting suction means to said outlet port;~~

~~(c)causing fluid to flow from said supply of fluid through said inlet port;~~

~~(d)activating said suction means; and~~

~~(e)activating the motor of said apparatus for a predetermined period of time.~~

~~4.The method of claim 3, wherein suction means are either not connected to the outlet port or, if suction means are connected to said outlet port, then said suction means are not activated.~~

~~5.The method of claim 3, wherein the fluid comprises a chemical selected from the group comprising: EDTA, DMSO, Collagenase, Hyaluronidase, Papain, Bromelain hypertonic Saline, Salicylic Acid, Aloe, Bidentis, Kalanchoes, Eucalyptus, Chamomile, Calendula, Salvia oficinalis, Helichrysum arenarium, and Hydrogen Peroxide.~~

~~6. The method of claim 3, wherein the fluid is an aqueous solution of salicylic acid.~~

~~7.The method of claim 6, wherein the concentration of the salicylic acid in the aqueous solution is between 2% and 5%.~~