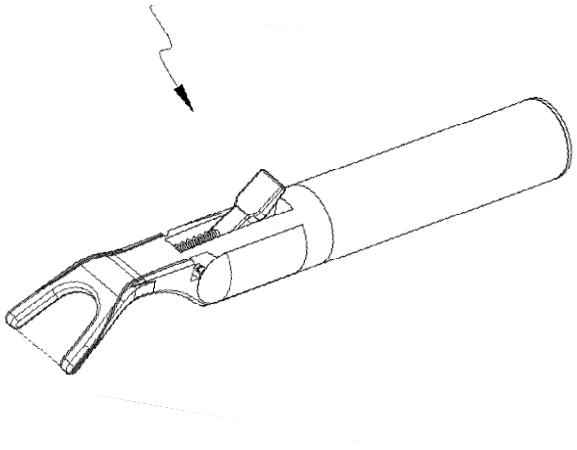
Summary of the Invention

By means of the internal mechanism provided by the present invention, the floss is easily refreshed by rotating the floss advance wheel.



Dentists recommend regular flossing as one of the best ways to maintain dental hygiene and health. Many people, however, find the act of flossing clumsy and difficult. Flossing by hand requires stretching floss between the fingers of hands and then working the fingers into the mouth, flossing a given area of the mouth, advancing the floss through the fingers and then flossing another area of the mouth. The advancing of the floss is important in order to prevent the spreading of germs an debris from one area of the mouth to another.

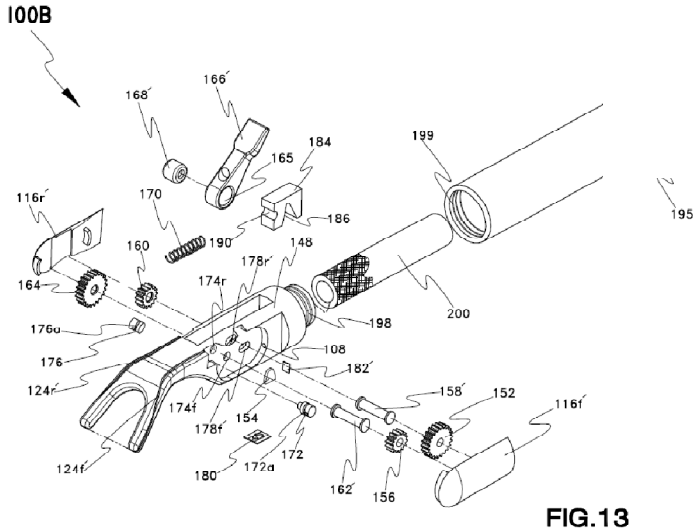


FIG.13

The present invention provides a flossing device which has a chamber within its hollow handle in which a spool of floss is stored. The free end of the floss is threaded through an array of feed gears to a pair of tines at the head of the device and back to the take up gears for take up. The floss is maintained taut between the tines of the head for effective flossing The object of the invention to provide a flossing device which stores the floss internally, a further object of the invention to provide a flossing device which is self feeding. Another object of the invention is to provide a flossing device which can easily provide fresh floss for each tooth to be flossed, again, an object of the invention to provide a flossing device which maintains the floss in a taut state between the tines of the head for effective flossing. Provided is a flossing device which isolates clean floss from contaminated floss. A further object of the invention is to provide a flossing device which can easily be washed and cleaned after use without making the floss in the storage chamber wet or contaminated.

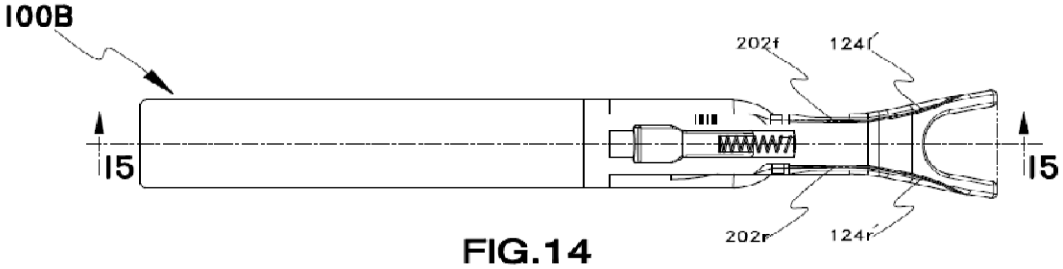


FIG.14