ELECTRIC TOOTHBRUSH

ABSTRACT

An electric toothbrush (A) comprising an elongated body portion (10) and a head (16) including a static portion (22) and a circular portion (20), a handle (18), and an angled shaft (28) between the head (16) and the handle (18). The circular portion (20) rotates or reciprocates about an axis normal to a longitudinal axis of the head (16). The circular portion (20) includes stiff bristles (24) and the static portion includes soft bristles (26). The elongated body portion (10) is hollow and further includes a motor (32) in the hollow portion (30), which is operatively connected to the circular portion (20) for rotating or reciprocating the circular portion (20). A switch (50) is operatively connected to the motor (32) to provide momentary and continuous operation of the toothbrush. A worm gear (40) and a pair of step gears (42, 43) are located in the hollow portion (30). The motor (32) is operatively connected to the worm gear (40) and the step gears (42, 43) are operatively connected to the worm gear (40) and to each other.

FIG.5