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(54) **ELECTRICAL SMOKING SYSTEM**

**Related U.S. Application Data**

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(52) **U.S. Cl.** ..... **131/273; 131/185**

(57) **ABSTRACT**

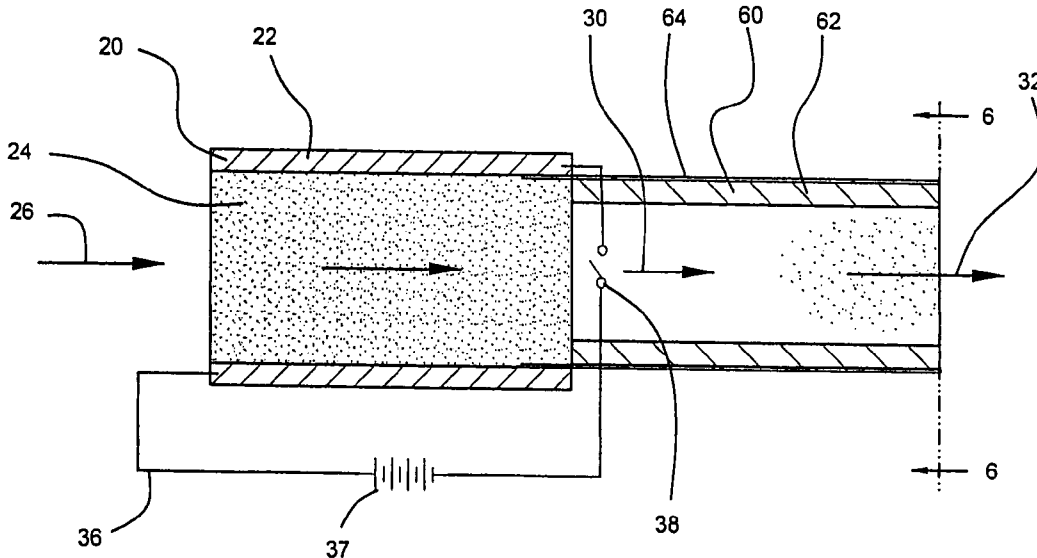
A tobacco mass is heated to a temperature of about 150° to about 220° C. to release flavorful tobacco volatiles, which are entrained in air passing through the tobacco mass, and condensed to form an inhalable aerosol. The tobacco mass may have a rotationally symmetric shape, with at least part of its surface in heat transfer relationship with a heater. The heater may be an external shell, an internal rod, or a plate. A shell can enclose the heater and tobacco mass and define a preheating chamber for inflowing air. A mouthpiece, with or without a filter, may be arranged in fluid communication with the tobacco mass to direct the aerosol from the heating system.

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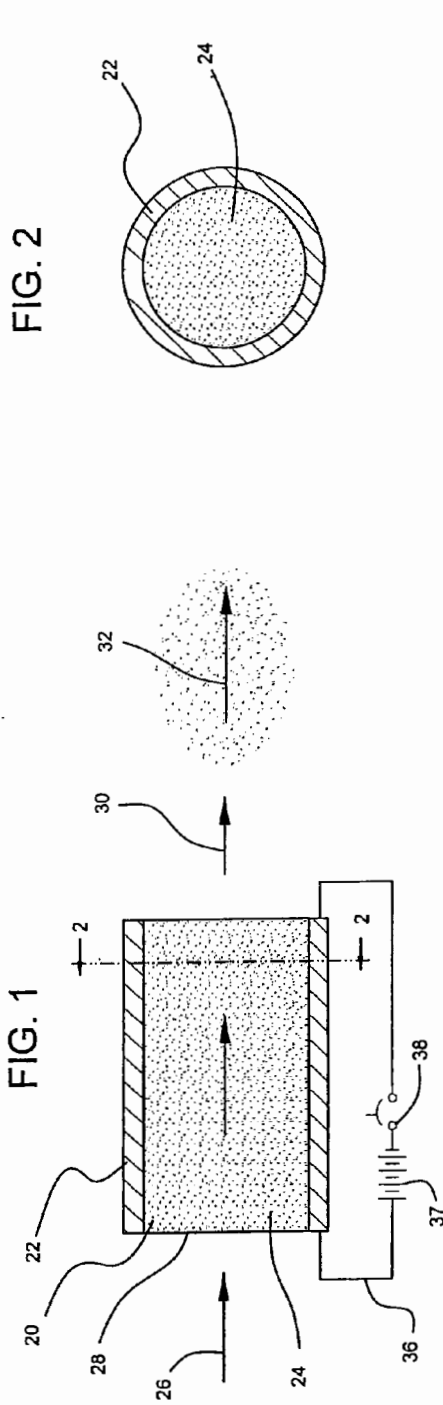


FIG. 2

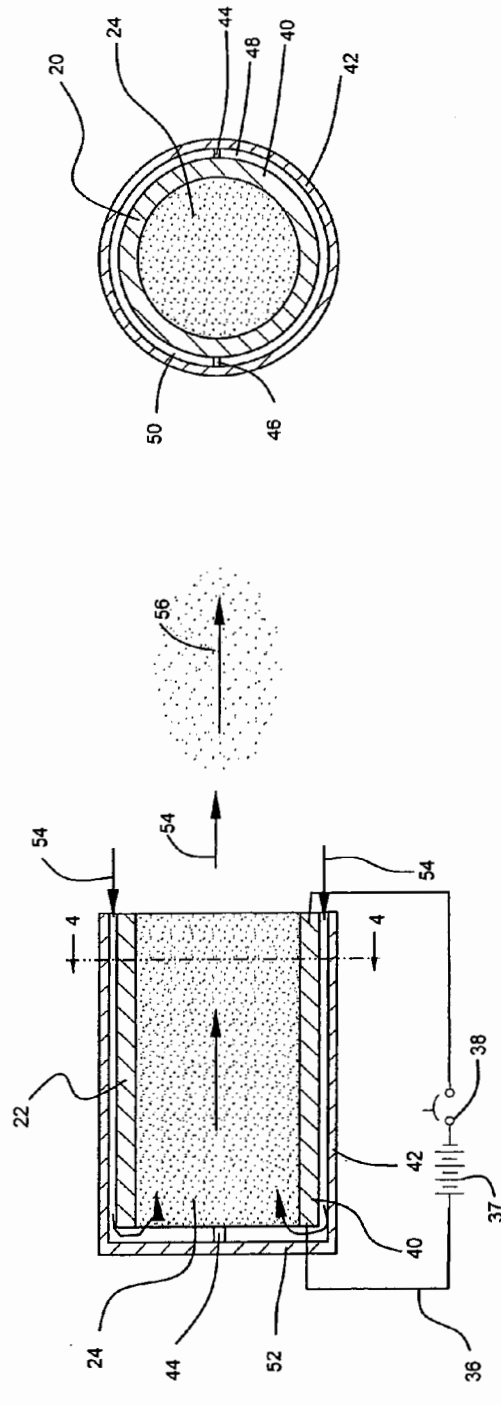
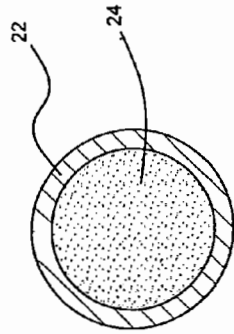


FIG. 4

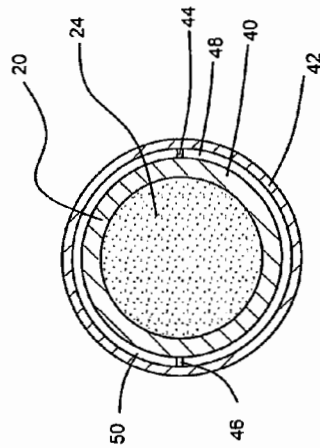


FIG. 6

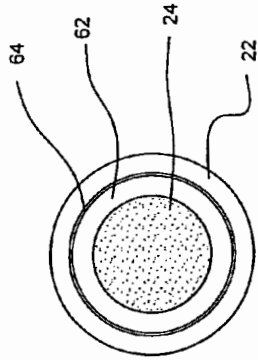


FIG. 8

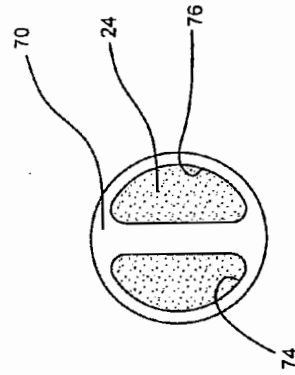


FIG. 5

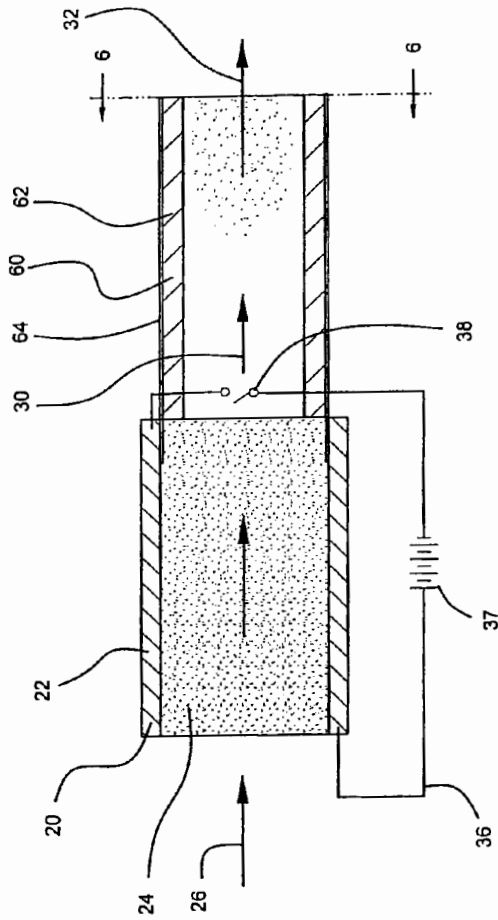


FIG. 7

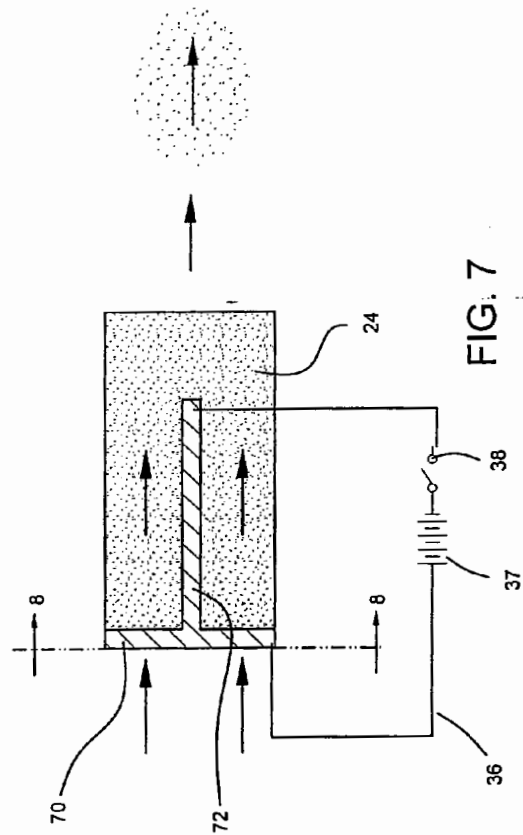


FIG. 10

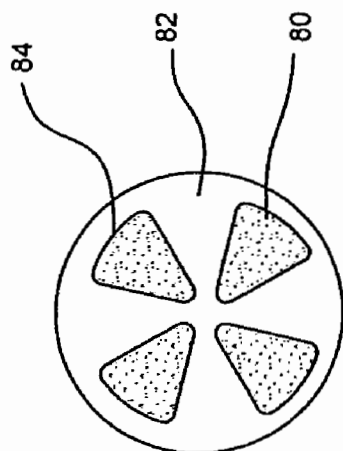
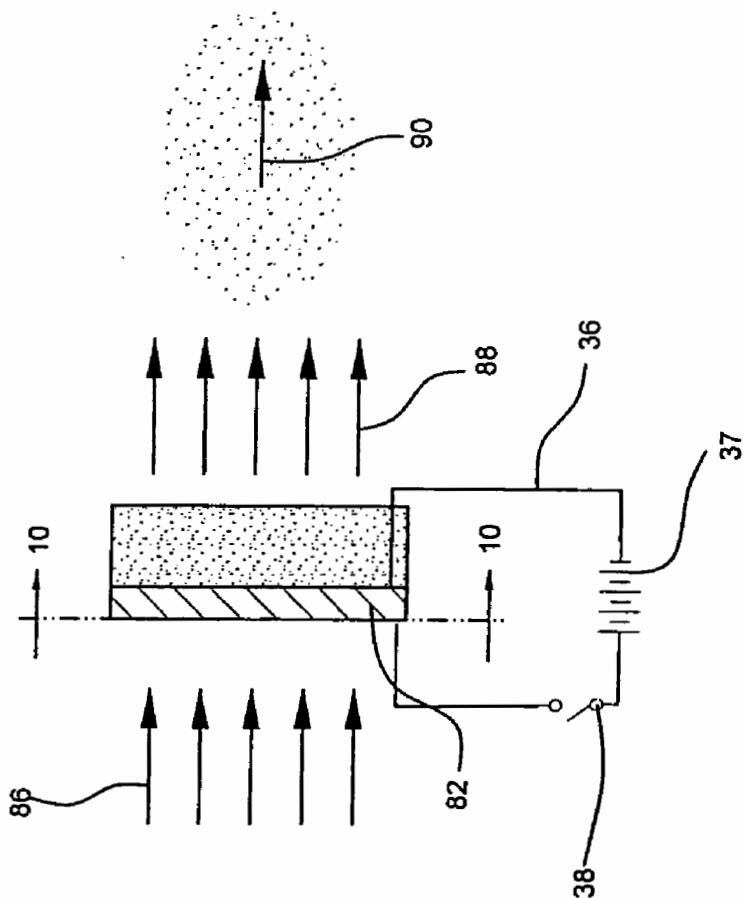


FIG. 9



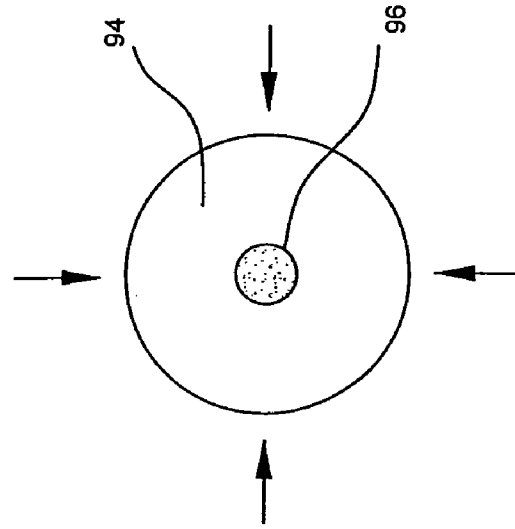


FIG. 12

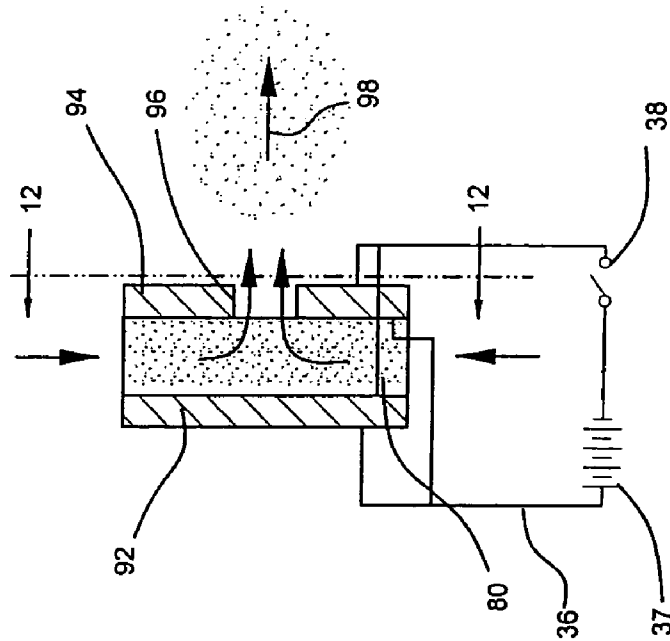


FIG. 11

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