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(54) Title: SHAVING CARTRIDGES HAVING THERMAL SENSORS

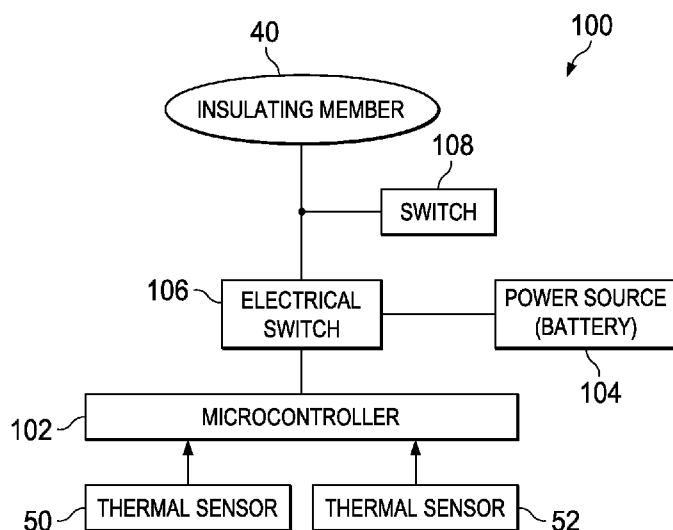


FIG. 5

(57) Abstract: A shaving razor cartridge (12) hav-
ing a housing (18) with a guard (20), a cap (22), and
one or more blades (24) located between the guard
and the cap. The guard is positioned in front of the
one or more blades and the cap is positioned behind
said one or more blades. A heating element (16) is
mounted to the housing for transferring heat during
a shaving stroke. The heating element has a skin
contacting surface (30). An insulating member (40)
is positioned beneath the skin contacting surface for
delivering heat to the heating element. An electrical
circuit (100) is configured to deliver energy to the
insulating member. The electrical circuit includes a
control circuit (102) for temperature regulation. A
power source (104) in communication with the elec-
trical circuit. A plurality of spaced apart thermal
sensors (50, 52) are mounted to the insulating mem-
ber and positioned below the skin contacting sur-
face. The thermal sensors measure the temperature of
the heating element and are in communication with
the control circuit.