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(54) **UNIVERSAL PRESENTATION DEVICE**

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**G09G 5/00** (2006.01)

(52) **U.S. Cl.** ........................ **345/156**; 345/169; 345/168

(58) **Field of Classification Search** ........ 345/156–169, 345/173, 179; 348/14.05
See application file for complete search history.

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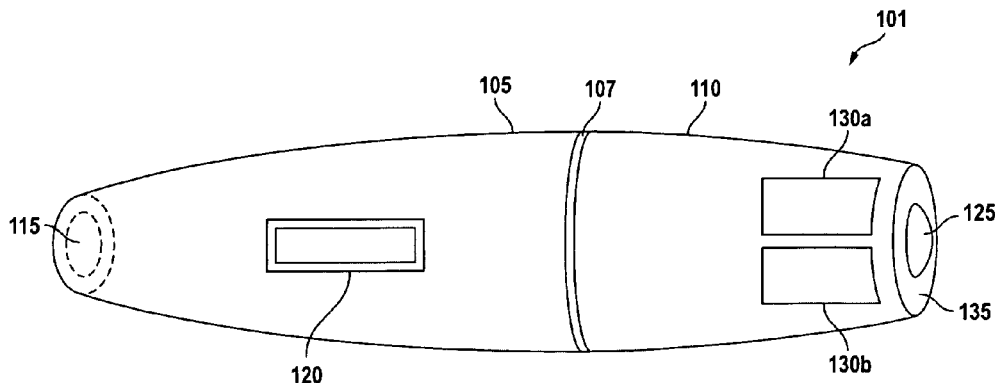(74) *Attorney, Agent, or Firm*—Townsend and Townsend and Crew LLP

(57) **ABSTRACT**

A universal presentation device discloses having two or more presentation elements for use in environments such as presentation environments. For example, the universal presentation device may include a combination of a laser pointer element, a pointing device element, and/or a writing instrument element. The universal presentation device is dimensioned to house each element within a single logical housing. Further, each element is operable with any of the other elements present within the universal presentation device. A method of operating the universal presentation device, including its use environment, is also disclosed.

**45 Claims, 11 Drawing Sheets**

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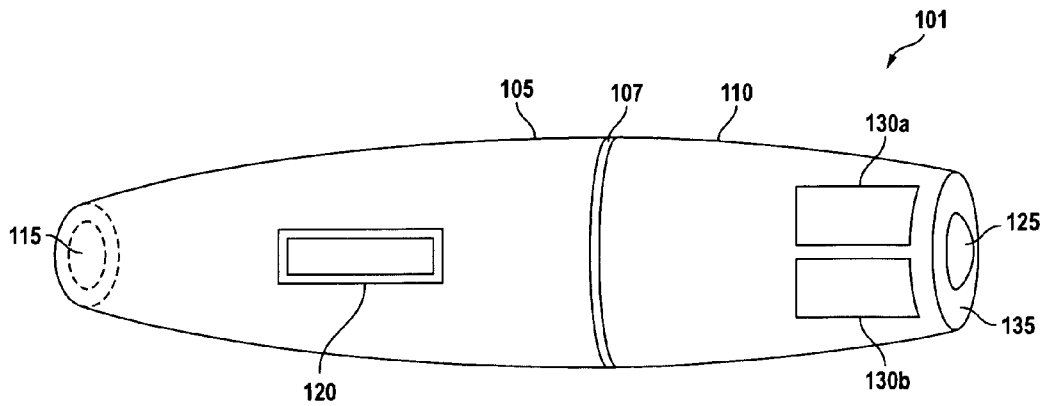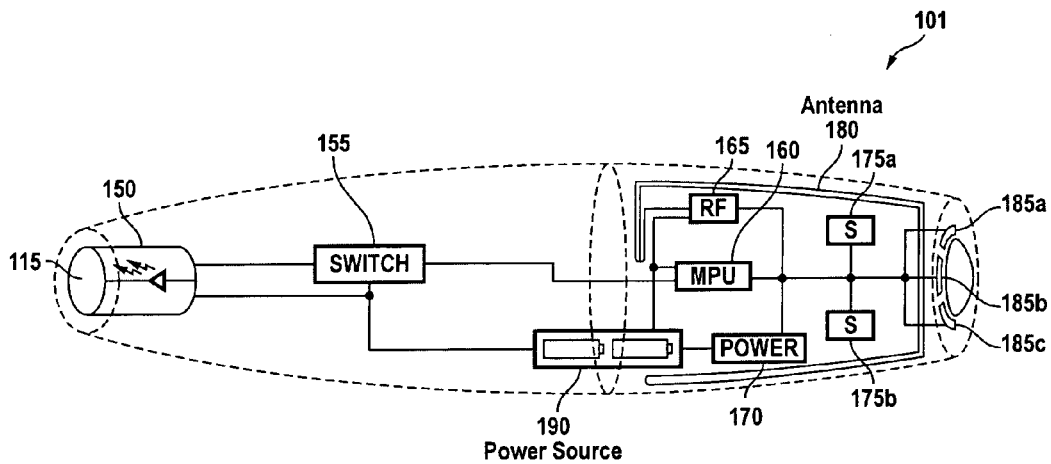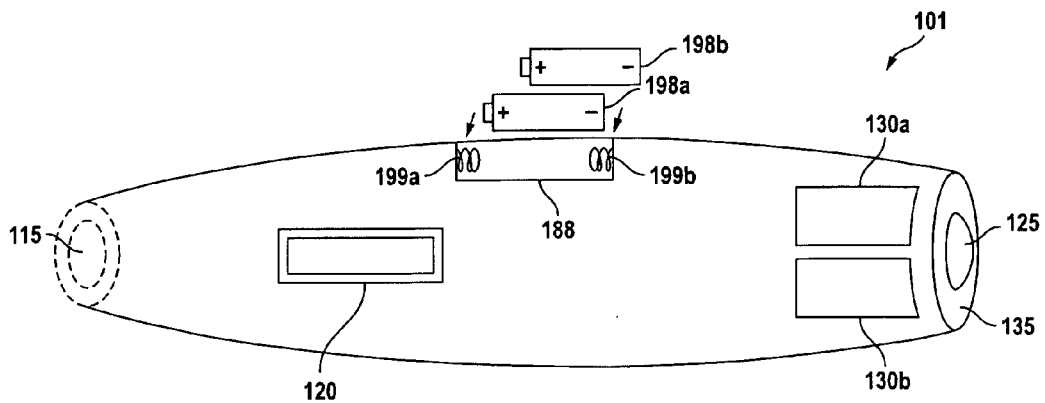
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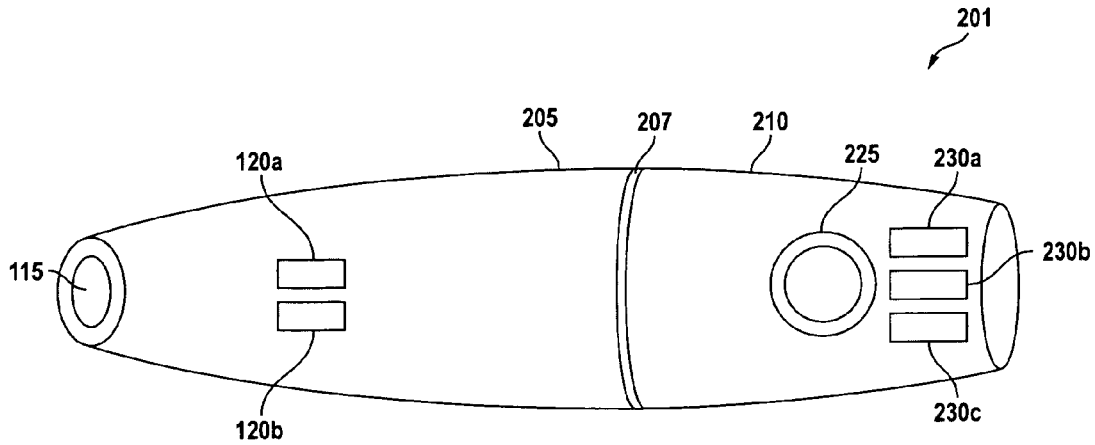
*FIG. 1A*



*FIG. 1B*



*FIG. 1C*

201

205  207  210  225  230a

120a

115

120b

230b

230c

**FIG. 2A**

201

Position
Sensors
185a, 185b, 185c  Antenna
180

205  207  210  165

155a

RF

160

115

SWITCH

MPU

S

S

SWITCH

S

POWER

150

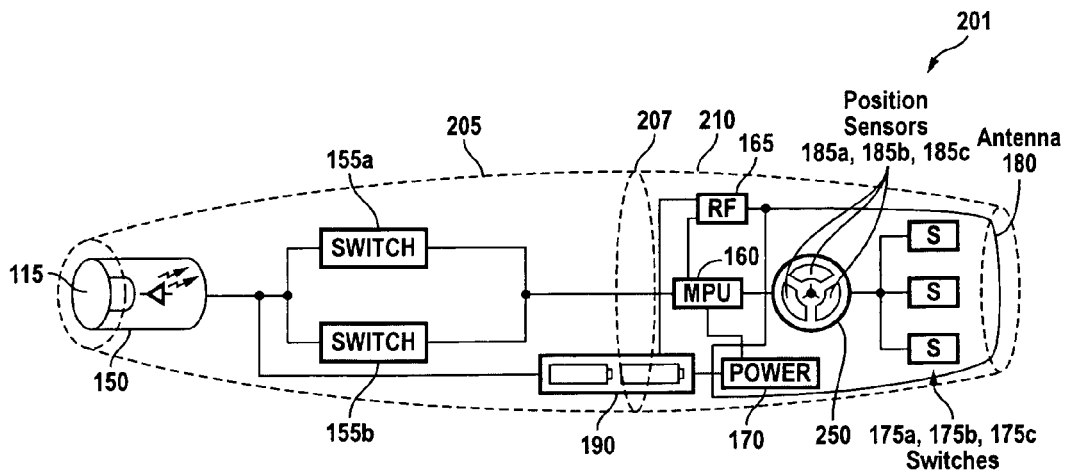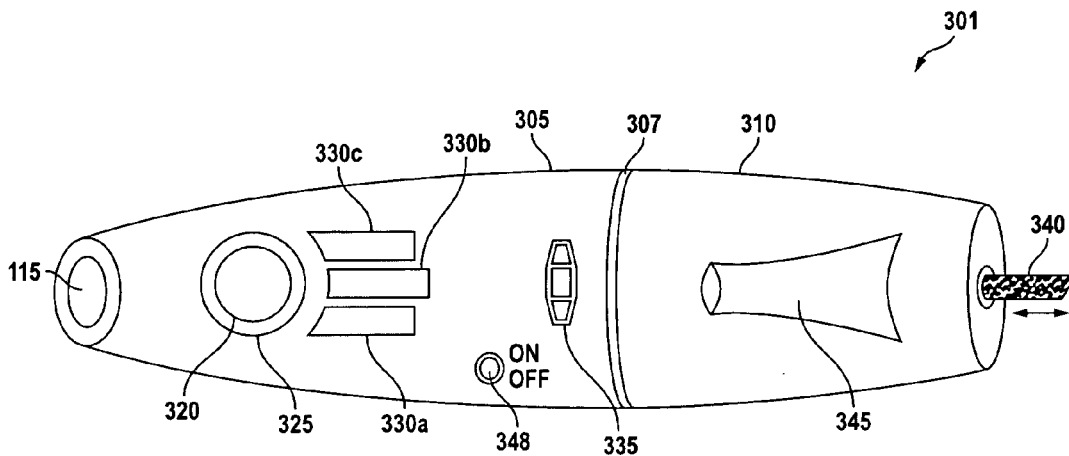155b  190  170  250  175a, 175b, 175c
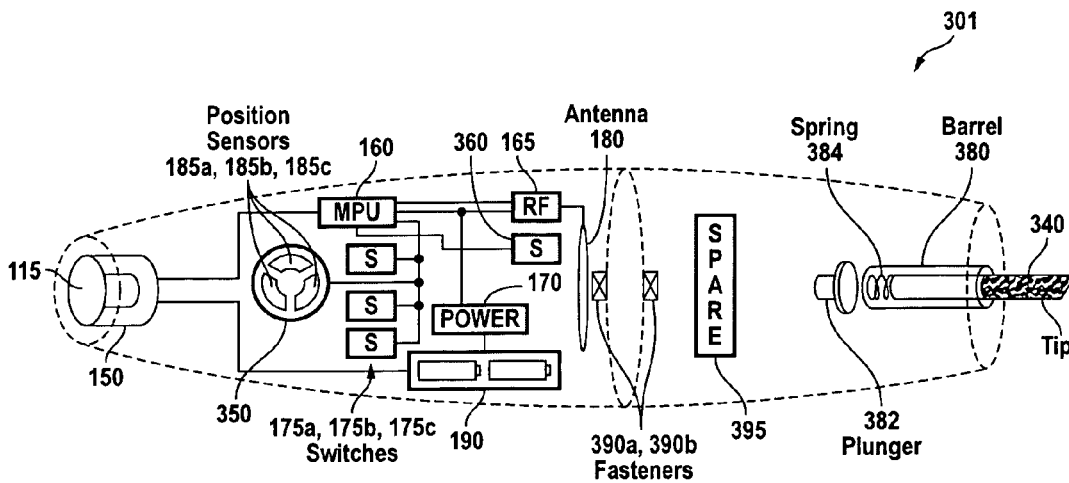Switches

**FIG. 2B**

FIG. 3A



FIG. 3B

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