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(54) Title: WATERPROOF NON-MECHANICAL MAGNETIC SWITCH

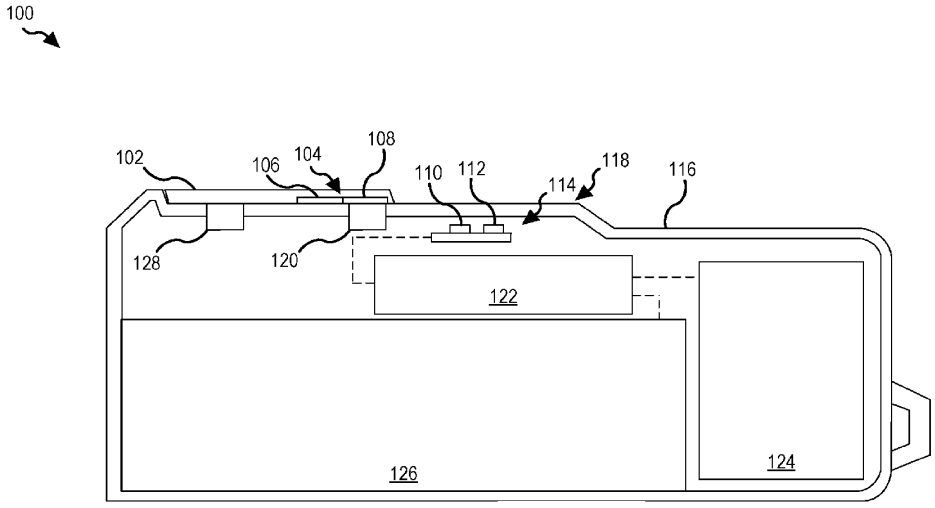

FIG. 1

(57) Abstract: A system for a projectile launcher enables switching between one or more operating modes of the projectile launcher and prevents inadvertent activation of the projectile launcher. The system includes a magnet, a safety switch, a first sensor, a second sensor, and a control circuit. The first sensor detects a first polarity, outputs a default indication when the safety switch is in the first position, and outputs an activation indication when the safety switch is in the second position. The second sensor detects a second polarity and activates the first sensor when the safety switch is in the second position. The control circuit determines that the safety switch is in the first position or the second position and determines an operation mode for the projectile launcher based at least on the safety switch being disposed in the first position or the second position.

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