

Title Of Invention: LOCK POSITION AUTHENTICATING BATTERY CONTAINER AND METHOD

Abstract

The present disclosure provides a battery container and a method for authentication that a cover of the battery container is at a lock position, the battery container comprising: a body with an opening through which a battery can be inserted and extracted, the body comprising a lock and first circuitry, wherein the first circuitry is configured to generate a request signal based upon a receipt of a signal from a lock sensor indicating a lock pin is secured to the lock; and a cover comprising a lock pin and second circuitry, wherein the second circuitry is configured to generate a response signal based upon a receipt of the request signal; wherein the cover is movable onto a lip portion of the body adjacent to the opening into a lock position to close the opening and secure the lock pin to the lock, and the first circuitry is further configured to process the response signal and switch a status of the lock from an unlock state to a lock state based on a result of the processing of the response signal.

[Figure 2]