

(54) Title of the invention : SYSTEM AND METHOD FOR TRACKING ITEMS IN A SUITCASE

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(57) Abstract :

The present disclosure discloses a system (100) and method (200) to track items within a suitcase (101). This system include components including a RFID tag (102) attached to each item, a display unit (103) mounted on the exterior of the suitcase (101), sensors (105) for item detection, and a GPS (106) for location tracking. A control unit (122) orchestrates the data received from sensors (105), facilitating the linkage of RFID tags (102) to their corresponding items and displaying the inventory on the display unit (103). Furthermore, the system (100) incorporates advanced features such as a self-locking mechanism (108) and a radio control system (107) to enhance security and convenience. These features collectively empower users with efficient tracking capabilities, ensuring the safety and organization of belongings within the suitcase (101) while offering added peace of mind during travel or storage.

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