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ABSTRACT

Title: SMART SECURE RFID ITEM RETURN COLLECTOR



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This invention is a Smart and Secure RFID Item (Book/File) Return Collector which uses two (2) radio frequency antennae, the first antenna to acknowledge the presence of loan item in the Return Collector and the second antenna to confirm the return of the loaned item. To ensure an irreversible return, the second antenna is placed lower than the first antenna and the slides have sawtooth edges. For ultimate security, a one-way hinged flap and surveillance camera can be added.

This invention differs from the conventional RFID book-return system with the introduction of a second antenna and the mechanical design of the book/file's slides to ensure actual return of the loan item.

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