Smart Bag Based On Electromagnetic Zipping

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Technology incorporation make things more useful. Integrating technology into bag has changed the bag from being just a luggage carrier to an interactive device. Technology enables us to know the location of the bag , details of the items in the bag etc. It can also be used to provide security to the bag and the items in it. In this paper Electromagnetic Zipping is proposed to provide security to the items in the bag. Electromagnetic zipper consists of a fingerprint sensor which allows only authorized user to open the bag with the help of electromagnets on both the zip slides. Different technologies incorporated in bags are studied and an attempt is made to present a smart bag design with all the available technologies along with Electromagnetic Zipper. Electromagnetic Zipper, Global System for Mobile Communication(GSM), Global Positioning System(GPS), Radio Frequency Identification (RFID), Bluetooth technologies are integrated in the design.

References

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