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Declarations under Rule 4.17:

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[Continued on next page]

(54) Title: RFID TAG WITH A MODIFIED DIPOLE ANTENNA

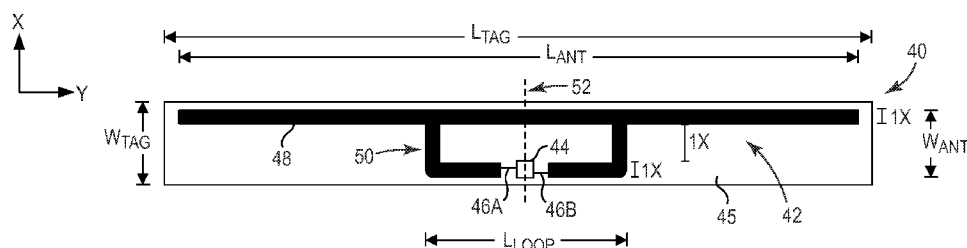


FIG. 4

(57) Abstract: In general, the disclosure describes an RFID tag designed such that the tag is both covert and not easily blocked from the interrogation signal by the hand or other body part of a person. In particular, the RFID tag is designed to have a long, narrow aspect that allows placement of the tag in locations on or in a book that are inconspicuous to the casual observer while extending beyond a hand of a person holding the book by the spine on or near a geometry centerline. The RFID tag includes a dipole segment and a loop segment coupled to the dipole segment. The loop segment of the modified dipole antenna provides the antenna with larger signal strength than conventional dipole antennas. Moreover, the conductive loop segment also provides improved impedance matching capabilities to allow the modified dipole antenna to match the impedance of an integrated circuit (IC) chip of the RFID tag.

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