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(54) Title: CONTACT-LESS AND DUAL INTERFACE INLAYS AND METHODS FOR PRODUCING THE SAME

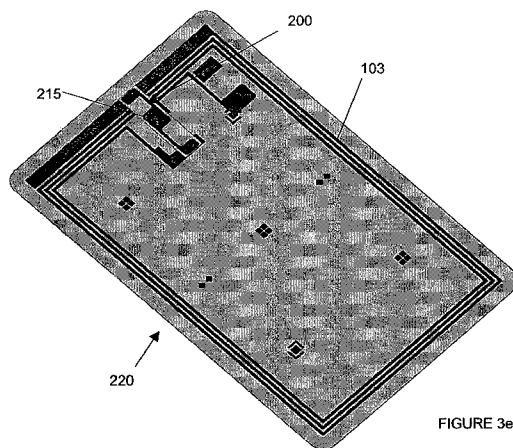


FIGURE 3e

(57) Abstract: Embodiments of the present invention provide an inlay for use in multiple applications including a contact smart card, a contactless smart card, a ticket, a secured document, a combi smart card and a dual interface smart card. The inlay may include an inlay substrate; an antenna on the inlay substrate, the antenna having at least two terminal pads; and a polymer PCB bonded to and making an electrical connection between each of the terminal pads; wherein the terminal pads and polymer PCB are positioned to allow the inlay to be used in a desired smart card application, the application selected from a group consisting of a contact smart card, a contactless smart card, a ticket, a secured document, a combi smart card and a dual interface smart card; wherein, when the inlay is to be used in a contactless smart card, ticket, secured document or combi smart card, the polymer PCB functions as a carrier for a chip; and wherein, when the inlay is to be used in a dual interface or contact smart card, end portions of the polymer PCB function as strap leads to connect an embedded chip of the dual interface or contactless smart card to the antenna. One method for producing the inlays is also disclosed.

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