

ABSTRACT

AN IMPROVED CARD WITH FINGERPRINT BIOMETRICS

5 The application provides an inlay for a card. The inlay includes a first transparent overlay sheet, an antenna carrier sheet, a thickness compensation sheet, a second transparent overlay sheet. The inlay also includes a microcontroller, a module lead frame, a finger sensor lead frame, an antenna, and
10 electrical wires. The module lead frame is adapted for being milled and it includes a plurality of first contact pads for contacting a contact module. The finger sensor lead frame is adapted for being milled and it includes a plurality of second contact pads for contacting a fingerprint sensor. The electrical
15 wires are connected to the microcontroller, to the first contact pads, to the second contact pads, and to the antenna.

(Fig. 21)