

Title (en)  
DUAL INTERFACE METAL CARDS AND METHODS OF MANUFACTURING

Title (de)  
DOPPELSCHNITTSTELLEN-METALLKARTEN UND HERSTELLUNGSVERFAHREN

Title (fr)  
CARTES MÉTALLIQUES DOUBLE INTERFACE ET PROCÉDÉS DE FABRICATION

Publication  
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Application  
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Abstract (en)  
[origin: WO2021030383A1] (i) Smartcards (SC) manufactured from a web of metal inlays (MI; FIGs. 12-14) with the coupling frame (CF) forming the metal card body (MCB) supported by metal struts (struts). In the production of smartcards having a coupling frame (CF) with a slit (S), the slit may form part of graphic elements (FIGs. 10-12). (ii) Printing and coating techniques may be used to camouflage the slit (FIGs. 9A-9D). (iii) Surface currents may be collected from one location in a card body (CB) and transported to another location (FIGs. 15AB). A flexible circuit (FC) may be connected to termination points (TP) across the slit (S), or may couple via a patch antenna (PA) with the slit (S). The flexible circuit may couple, via an antenna structure (AS) with the module antenna (MA) of a transponder chip module (TCM).

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