

Mechanically resistant loop antenna for a
passport

ABSTRACT

The invention relates to an antenna for a radio frequency transponder comprising a flat base (4) with a longitudinal edge (2), an antenna (14) for receiving via electromagnetic coupling on the base, said edge being intended to be parallel to a binding of the booklet, said antenna comprising parallel and perpendicular coils that extend respectively parallel and perpendicular to the longitudinal edge (2); the transponder is characterized in that said parallel coils have close-together inter-coil spacing (ES) at least in an area of binding of the booklet with respect to the inter-coil spacing (EL) of the perpendicular coils. The invention also relates to a portable electronic object including said transponder.

Fig. 5