

Title (en)
HIGH MECHANIC RESISTANCE LOOP ANTENNA FOR A PASSPORT

Title (de)
MECHANISCH WIDERSTANDFÄHIGE SCHLEIFENANTENNE FÜR EINEN REISEPASS.

Title (fr)
ANTENNE BOUCLE MÉCANIQUEMENT RÉSISTANTE POUR PASSEPORT

Publication
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Application
EP 12769411 A 20121002

Priority
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• EP 12769411 A 20121002

Abstract (en)
[origin: EP2579389A1] The magnetic field antenna comprises a flat base (4) with a longitudinal edge (2), an electromagnetic coupling receiving antenna (14) placed on the base, and parallel and perpendicular coils that extend to the longitudinal edge. The longitudinal edge is intended to be parallel to a booklet binder, and is adjacent to a hinge booklet. The parallel coils have close-together inter-coil spacing (ES) of 0.1-0.5 mm with respect to an inter-coil spacing (EL) (0.5-2 mm) of the perpendicular coils, and are localized in an area (7) located at a support medium that is perpendicular to the edge. The magnetic field antenna comprises a flat base (4) with a longitudinal edge (2), an electromagnetic coupling receiving antenna (14) placed on the base, and parallel and perpendicular coils that extend to the longitudinal edge. The longitudinal edge is intended to be parallel to a booklet binder, and is adjacent to a hinge booklet. The parallel coils have close-together inter-coil spacing (ES) of 0.1-0.5 mm with respect to an inter-coil spacing (EL) (0.5-2 mm) of the perpendicular coils, and are localized in an area (7) located at a support medium that is perpendicular to the edge. The antenna is made of wire having a diameter of 50-150 μ m. The parallel coils of the area are located at a distance (B) of the longitudinal edge that is higher than a distance (A) for portions of parallel coils located apart from the area. An independent claim is included for a portable electronic object.

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