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ABSTRACT

Resonant detection or identification antenna insensitive to its environment

This is a resonant detection or identification antenna of the type comprising at least one turn (3 to 5) which comprises at least one electrically conducting wire and is connected to an electronic transponder chip (7), the operating frequency of the said antenna being greater than or equal to 10 MHz and the area defined by the said at least one turn being substantially less than or equal to 0.30 m^2. The total capacitance of the antenna is substantially greater than or equal to 140 pF and the Q-factor of the said at least one turn is substantially greater than or equal to 30.

Figure 1