

ABSTRACT

Portable device for receiving and/or transmitting radio-transmitted messages comprising:

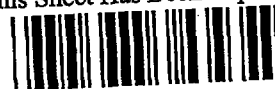
- a case (11; 42; 51),
- an antenna (12; 31, 32; 52, 53) capable of picking up both a magnetic component and an electric component of an electromagnetic field carrying radio-transmitted messages, and
- a micro-receiver (13) receiving the messages picked up by the antenna,

said antenna comprising two conductive plates (15, 16; 31, 32; 52, 53) disposed so as to pick up the radial electric component (E_r) of said electromagnetic field with respect to the body of the wearer.

The antenna (12; 31, 32; 52, 53) is formed by a coil (17) comprising a turn arranged in said case (11; 42; 51) to pick up the azimuthal magnetic component (H_ϕ) of said electromagnetic field around said body and the plates (15, 16; 31, 32; 52, 53) form part of said coil (17).

Figure 3

This Sheet Has Been Replaced



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REPLACED