

Title (en)

Receive and/or transmit device for radio messages with an inductive and capacitive antenna

Title (de)

Empfangs- und/oder Sendeeinrichtung für Funksprüche mit einer induktiven und kapazitiven Antenne

Title (fr)

Dispositif de réception et/ou d'émission de messages radio-diffusés portatif comportant une antenne inductive et capacitive

Publication

EP 0805507 B1 20020724 (FR)

Application

EP 97106490 A 19970418

Priority

FR 9605571 A 19960503

Abstract (en)

[origin: EP0805507A1] The receiver is contained in a package (11) which is worn on the body (14) and comprises a single antenna (12) and a microreceiver (13). The antenna consists of two conductive plates (15,16) which are aligned, preferably parallelly, to the skin and separated by air or another dielectric and loaded by circuits (Z1,Z2). The plates detect the radial electric component (Er) of the EM wave carrying broadcast messages and constitute parts of a single-turn coil (17) which detects the azimuthal magnetic component (H) of the EM field surrounding the body. The loads may be short or open circuits, low-resistance conductors, resistors, capacitors and/or inductors.

IPC 1-7

H01Q 1/27

IPC 8 full level

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CPC (source: EP US)

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