

Title (en)

ANTENNA AND SMALL PORTABLE RADIO DEVICE

Title (de)

ANTENNE UND KLEINES, TRAGBARES FUNKGERÄT

Title (fr)

ANTENNE ET PETIT APPAREIL RADIO PORTATIF

Publication

**EP 0538485 B1 19970122 (EN)**

Application

**EP 92909642 A 19920506**

Priority

- JP 9200581 W 19920506
- JP 10424591 A 19910509
- JP 25377391 A 19911001

Abstract (en)

[origin: WO9220117A1] An antenna which can provide a radio device stable and highly sensitive irrespective of its attitude or its carried direction and of the effect of the proximity to a human body when it is carried with the human body. When the radio device having this antenna is not carried with a human body, regardless of the plane of polarization of an electromagnetic wave, i.e., even in a place where the plane of polarization under multipath distortion and fading is always changed, the radio device has a stable sensitivity characteristic. Also, the antenna circuit achieving these characteristics requires no additional element for matching, and has a remarkable effect on reducing the size of a radio device.

IPC 1-7

**H01Q 1/24**; **H01Q 1/44**; **H01Q 5/00**; **H01Q 7/00**

IPC 8 full level

**H01Q 1/27** (2006.01); **H01Q 7/00** (2006.01)

CPC (source: EP)

**H01Q 1/273** (2013.01); **H01Q 7/00** (2013.01)

Cited by

DE10047903A1; FR2724274A1; US5946610A; US5589840A; GB2276274B; EP0616384A1; US5532705A; EP0565725A4; US5465098A; US5757326A; US5940041A; GB2304465B; GB2304466A; GB2304466B; US7439922B2; WO9950928A3; WO2008075156A1

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