

Publication

EP 0538485 A4 19940119

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

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)

Citation (search report)

- [YA] EP 0122485 A1 19841024 - NEC CORP [JP]
- [YA] EP 0372430 A2 19900613 - ATE CORP [US]
- [A] US 4862181 A 19890829 - PONCE DE LEON LORENZO A [US], et al
- See references of WO 9220117A1

Cited by

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

Designated contracting state (EPC)

DE FR GB NL SE

DOCDB simple family (publication)

WO 9220117 A1 19921112; DE 69216983 D1 19970306; EP 0538485 A1 19930428; EP 0538485 A4 19940119; EP 0538485 B1 19970122; HK 1000299 A1 19980220

DOCDB simple family (application)

JP 9200581 W 19920506; DE 69216983 T 19920506; EP 92909642 A 19920506; HK 97101837 A 19970925