

Title (en)

Antenna for portable radio equipment

Title (de)

Antenne für tragbares Funkgerät

Title (fr)

Antenne pour appareil radio portable

Publication

**EP 0459391 B1 19970219 (EN)**

Application

**EP 91108683 A 19910528**

Priority

JP 13712590 A 19900529

Abstract (en)

[origin: EP0459391A2] An antenna (10) for portable radio equipment serves as a  $\lambda/2$  wavelength long antenna when extended (Fig.1A) or as a less than  $\lambda/4$  wavelength long antenna such as a  $\lambda/8$  wavelength long antenna when contracted (Fig.1B). Both of such antenna configurations are matched by a single matching circuit (14) with respect to impedance. The antenna radiates power efficiently in the horizontal plane. <IMAGE> <IMAGE>

IPC 1-7

**H01Q 1/10**; **H01Q 1/24**

IPC 8 full level

**H01Q 9/14** (2006.01); **H01Q 1/10** (2006.01); **H01Q 1/24** (2006.01)

CPC (source: EP)

**H01Q 1/10** (2013.01); **H01Q 1/242** (2013.01); **H01Q 1/244** (2013.01)

Citation (examination)

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- EP 0323726 A2 19890712 - NIPPON ANTENNA KK [JP]
- PATENT ABSTRACT OF JAPAN, vol. 9, no. 244 (E346) 25 May 1985 & JP-A-60 94 507

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