

Title (en)
Folded dipole antenna

Title (de)
Faltdipolantenne

Title (fr)
Antenne doublet replié

Publication
EP 1098391 A2 20010509 (EN)

Application
EP 00123425 A 20001102

Priority
• US 43252499 A 19991103
• US 47948900 A 20000110

Abstract (en)
A folded dipole antenna for transmitting and receiving electromagnetic signals is provided. The antenna includes a ground plane and a conductor extending adjacent the ground plane and spaced therefrom by a first dielectric. The conductor includes an open-ended transmission line stub, a radiator input section, at least one radiating section integrally formed with the radiator input section, and a feed section. The radiating section includes first and second ends, a fed dipole and a passive dipole. The fed dipole is connected to the radiator input section. The passive dipole is disposed in spaced relation to the fed dipole to form a gap. The passive dipole is shorted to the fed dipole at the first and second ends. <IMAGE>

IPC 1-7
H01Q 9/26; **H01Q 19/10**; **H01Q 1/24**; **H01Q 21/06**

IPC 8 full level
H01Q 1/24 (2006.01); **H01Q 9/26** (2006.01); **H01Q 19/10** (2006.01); **H01Q 21/06** (2006.01)

CPC (source: EP)
H01Q 1/246 (2013.01); **H01Q 9/26** (2013.01); **H01Q 19/108** (2013.01); **H01Q 21/062** (2013.01)

Cited by
EP1997186A4; EP1555720A1; CN103700923A; CN114784513A; CN109950682A; CN113497327A; FR2965978A1; CN103299481A; EP1679763A3; EP1869726A4; US8330668B2; US7864130B2; US7990329B2; WO2008055526A1; WO2012045847A1; US8643559B2; US9806412B2; US7109936B2; US10079431B2; WO2006109184A1; US7205955B2

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