

Title (en)
Integrated antenna for mobile telephones

Title (de)
Integrierte Antenne für Mobilfunktelefone

Title (fr)
Antenne intégrée pour téléphones portables

Publication
EP 1154518 B1 20060308 (DE)

Application
EP 01440125 A 20010504

Priority
DE 10022107 A 20000508

Abstract (en)
[origin: EP1154518A2] The antenna (1) has an earth plate (2) and a radiator (3) positioned parallel to the earth plate and electrically coupled to it at one end, with a voltage minimum obtained at this end at the lower resonance frequency of the antenna, a voltage maximum obtained at the free end (6) of the radiator, which is capacitively coupled to a point along the radiator, for providing a further resonance frequency which is less than triple the first resonance frequency. An Independent claim for a mobile radio device is also included.

IPC 8 full level
H01Q 9/04 (2006.01); **H01Q 1/24** (2006.01); **H01Q 13/08** (2006.01); **H01Q 1/36** (2006.01); **H01Q 5/321** (2015.01); **H01Q 5/357** (2015.01); **H01Q 9/42** (2006.01)

CPC (source: EP US)
H01Q 1/243 (2013.01 - EP US); **H01Q 1/36** (2013.01 - EP US); **H01Q 5/321** (2015.01 - EP US); **H01Q 5/357** (2015.01 - EP US); **H01Q 9/0421** (2013.01 - EP US); **H01Q 9/42** (2013.01 - EP US)

Cited by
EP2093831A4; EP2169766A1; DE102005038196A1; FR3026895A1; US8816911B2; US8108021B2; US8456366B2; US6903686B2; US6980154B2; WO2007045665A1; WO2011101714A1; WO2004062032A1; US8215561B2; WO2008078437A1; US8098211B2

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DOCDB simple family (publication)
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