

Title (en)
Patch antenna

Title (de)
Patchantenne

Title (fr)
Antenne à plaque

Publication
EP 1796212 B1 20090722 (EN)

Application
EP 06025245 A 20061206

Priority
JP 2005355070 A 20051208

Abstract (en)
[origin: EP1796212A1] A patch antenna is disposed such that a radiating conductor loaded with a degeneracy splitting element opposes a ground conductor with a predetermined distance therebetween. A feeding conductor extends outward from an edge of the radiating conductor, and a tip of the feeding conductor functions as a feeding section. A short-circuit point is set in a region opposite to the feeding conductor in the radiating conductor, and the short-circuit point S is electrically connected to the ground conductor via a short-circuit conductor. For instance, the radiating conductor and the feeding conductor are disposed on one surface of the dielectric substrate, whereas the ground conductor is disposed on the other surface of the dielectric substrate, and the short-circuit conductor is provided in a through hole provided in the dielectric substrate. A short-circuit point connected to the short-circuit conductor in the radiating conductor may be set on an extension of a line P connecting the center of the radiating conductor and the feeding conductor.

IPC 8 full level
H01Q 9/04 (2006.01); **H01Q 1/38** (2006.01)

CPC (source: EP)
H01Q 1/38 (2013.01); **H01Q 9/0421** (2013.01); **H01Q 9/0428** (2013.01)

Cited by
CN107623187A; CN113711441A; US2018175493A1; CN104868239A; WO2018011635A1

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