

Title (en)

A RESONANT, DUAL-POLARIZED PATCH ANTENNA

Title (de)

RESONANTE DOPPELT POLARISIERTE PATCH-ANTENNE

Title (fr)

ANTENNE A PLAQUE BIPOLARISEE, RESONNANTE

Publication

EP 1897171 A4 20100519 (EN)

Application

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Priority

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Abstract (en)

[origin: WO2006135956A1] A patch antenna (200) having a reduced beamwidth and a method of controlling the beamwidth of a resonant, dual-polarized patch antenna (200) are disclosed. The antenna (200) comprises a ground plane (210), a patch radiator (220), a conductive member and an asymmetrical feed (230). The patch radiator (220) is suspended above the ground plane (210), in which a central region (225) of the patch radiator (220) is shorted to ground. The feed (230) is symmetrically disposed about the centre of the patch radiator (220) and which excites opposite sides of the patch radiator (220) in antiphase. The feed (230) is coupled to the patch radiator (220) at locations outside the central region (225).

IPC 8 full level

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Citation (search report)

- [XYI] US 2004070536 A1 20040415 - STOTLER MONTE S [US], et al
- [YA] US 2004263400 A1 20041230 - YUANZHU DOU [JP]
- See references of WO 2006135956A1

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