

Title (en)
A RESONANT, DUAL-POLARIZED PATCH ANTENNA

Title (de)
RESONANTE DOPPELT POLARISIERTE PATCH-ANTENNE

Title (fr)
ANTENNE A PLAQUE BIPOLARISEE, RESONNANTE

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Application
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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).

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