

Title (en)
ANTENNA COMPONENT

Title (de)
ANTENNENKOMPONENTE

Title (fr)
COMPOSANT D ANTENNE

Publication
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Application
EP 05803705 A 20051108

Priority

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Abstract (en)
[origin: WO2006097567A1] An antenna component (200) with a dielectric substrate and two radiating antenna elements. The elements are located on the upper surface of the substrate and there is a narrow slot (260) between them. The antenna feed conductor (241) is connected to the first antenna element (220), which is connected also to the ground by a short-circuit conductor (261). The second antenna element (230) is parasitic; it is galvanically connected only to the ground. The component is preferably manufactured by a semiconductor technique by growing a metal layer e.g. on a quartz substrate and removing a part of it so that the antenna elements remain. In this case the component further comprises supporting material (212) of the substrate chip. The antenna component is very small-sized because of the high dielectricity of the substrate to be used and mostly because the slot between the antenna elements is narrow. The efficiency of an antenna made by the component is high.

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