

Title (en)
Antenna

Title (de)
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Application
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Abstract (en)
[origin: EP0923158A2] The invention comprises an antenna structure particularly suitable for mobile stations operating on two frequency ranges. As a supporting component and also as component determining the electrical characteristics the antenna includes a dielectric plate (21). On one surface of the dielectric plate there is a radiating element (22) with a meander form, and on the opposite support of the dielectric plate there is a planar radiating element (23). The operation on two frequency ranges is based on the fact that the structure has two resonance frequencies, which are relatively far from each other. The strips are further relatively wide, due to which the antenna operates satisfactorily in different positions and in the vicinity of objects. The parasitic element can further have a gap operating as a separate radiator, whereby the antenna operates on three frequency ranges. The antenna according to the invention is flat, and therefore it can be fixed to the back wall of a mobile station, and the distance to the user's head is as large as possible. <IMAGE>

IPC 1-7
H01Q 9/30; **H01Q 1/36**; **H01Q 1/38**; **H01Q 5/00**; **H01Q 19/00**

IPC 8 full level
H01Q 1/36 (2006.01); **H01Q 1/38** (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/378** (2015.01); **H01Q 5/49** (2015.01); **H01Q 9/30** (2006.01); **H01Q 21/30** (2006.01)

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