

Title (en)  
Patch antenna

Title (de)  
Streifenleitungsantenne

Title (fr)  
Antenne microbande

Publication  
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Application  
**EP 02014037 A 19981223**

Priority  
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Abstract (en)  
The present invention relates to a patch antenna comprising a ground element (3, 11, 12) being electrically conductive, a resonator element (2, 8, 9, 13, 14) being electrically conductive, and a solid dielectric element (4) located between the resonator element and the ground element, whereby the ground element (3, 11, 12) is electrically connected to the resonator element (2, 8, 9, 13, 14) by means of a connector. The solid dielectric element (4) only fills part of the volume between the ground and the resonator element and works as a spacer to keep the distance tolerance between the ground and the resonator element low, so that a lightweight antenna produceable at low cost is provided. The patch antenna according to the present invention is particularly useful as internal antenna for GSM mobile phones. <IMAGE>

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IPC 8 full level  
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Citation (search report)  
• [A] EP 0526643 A1 19930210 - MITSUBISHI ELECTRIC CORP [JP], et al  
• [AD] WO 9524745 A1 19950914 - CETELCO AS [DK], et al

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**EP 1014486 A1 20000628**; EP 1253667 A1 20021030; EP 1253667 B1 20031210

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