

Title (en)  
Multi-band antenna

Title (de)  
Mehrbandantenne

Title (fr)  
Antenne multibande

Publication  
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Application  
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Priority  
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Abstract (en)  
An antenna comprising a conductive patch arranged to resonate when excited by an electromagnetic signal, and a feed mechanism arranged to provide electromagnetic signals to the conductive patch. For a generally rectangular patch, the feed mechanism is arranged to feed electromagnetic signals to a point substantially on, or in-line with, a diagonal of the patch. Feeding the conductive patch in this manner enables the patch to resonate in a plurality of discrete frequency bands. This means that the antenna is capable of multi-band operation without the need for additional resonating patches, shorting pins, matching circuits or multiple feed points. In a preferred embodiment, the patch includes one or more slots for manipulating the performance of the antenna. <IMAGE>

IPC 1-7  
**H01Q 1/36**; **H01Q 1/38**; **H01Q 9/04**; **H01Q 5/00**

IPC 8 full level  
**H01Q 1/36** (2006.01); **H01Q 1/38** (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/364** (2015.01); **H01Q 5/371** (2015.01); **H01Q 9/04** (2006.01)

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Citation (search report)

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