

Title (en)  
Loaded antenna

Title (de)  
Antenne mit Last

Title (fr)  
Antenne à charge

Publication  
**EP 2264829 A1 20101222 (EN)**

Application  
**EP 10180806 A 20011016**

Priority  
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Abstract (en)  
A novel loaded antenna is defined in the present invention. The radiating element of the loaded antenna consists of two different parts: a conducting surface and a loading structure. By means of this configuration, the antenna provides a small and multiband performance, and hence it features a similar behaviour through different frequency bands.

IPC 8 full level  
**H01Q 1/24** (2006.01); **H01Q 1/36** (2006.01); **H01Q 1/38** (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/371** (2015.01)

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**H01Q 1/243** (2013.01); **H01Q 1/36** (2013.01); **H01Q 1/38** (2013.01); **H01Q 5/371** (2015.01)

Citation (applicant)  
• US 12917698 A 19980804  
• WO 0122528 A1 20010329 - FRACTUS SA [ES], et al  
• WO 0154225 A1 20010726 - FRACTUS SA [ES], et al  
• US 3967276 A 19760629 - GOUBAU GEORGE E J  
• US 5847682 A 19981208 - KE SHYH-YEONG [TW]  
• EP 0000411 W 20000119  
• A.G.KANDOIAN: "Three new antenna types and their applications", PROC. IRE, vol. 34, February 1946 (1946-02-01), pages 70W - 75W  
• W.DOUB; W.Y.M.CHIA: "Small broadband stacked planar monopole", MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol. 27, November 2000 (2000-11-01), pages 288 - 289

Citation (search report)  
• [XD] WO 0122528 A1 20010329 - FRACTUS SA [ES], et al  
• [X] WO 9706578 A1 19970220 - FRACTAL ANTENNA SYSTEMS INC [US], et al  
• [AD] WO 0154225 A1 20010726 - FRACTUS SA [ES], et al  
• [A] SONG C T P ET AL: "Multi-circular loop monopole antenna", ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 36, no. 5, 2 March 2000 (2000-03-02), pages 391 - 393, XP006014920, ISSN: 0013-5194

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**EP 1732162 A1 20061213**; EP 2264829 A1 20101222; ES 2288161 T3 20080101

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