

Title (en)
Foil antenna

Title (de)
Folienantenne

Title (fr)
Antenne à feuille

Publication
EP 0520197 B1 19970528 (DE)

Application
EP 92108893 A 19920527

Priority
DE 4121333 A 19910625

Abstract (en)
[origin: EP0520197A2] The invention relates to a foil antenna for radio telephones, especially cordless telephones. Instead of the previously normal rod antenna, whose length corresponds to a quarter of the wavelength of the frequency which is to be transmitted or received, a foil antenna is proposed as the antenna. The foil antenna according to the invention has radiating elements which are connected to one another by means of inductors. In addition, the matching circuit is accommodated on the foil. The inductors which are arranged between the radiating elements are essentially constructed as straight line pieces. The antenna according to the invention can be produced easily in production-engineering terms, can be completely integrated into the housing of the cordless telephone, and has a relatively high efficiency with dimensions which are considerably less than the length of the previously normal rod antenna. <IMAGE>

IPC 1-7
H01Q 1/08; **H01Q 1/38**

IPC 8 full level
H01Q 1/08 (2006.01); **H01Q 1/24** (2006.01); **H01Q 1/38** (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/15** (2015.01); **H01Q 9/06** (2006.01); **H01Q 9/16** (2006.01); **H01Q 9/38** (2006.01); **H01Q 9/42** (2006.01)

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Cited by
EP1258945A3; US6894646B2; US7183983B2; US6204826B1; WO0108260A1

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