

Title (en)  
Foil antenna.

Title (de)  
Folienantenne.

Title (fr)  
Antenne à feuille.

Publication  
**EP 0520197 A3 19941012**

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**

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)

CPC (source: EP)  
**H01Q 1/242** (2013.01); **H01Q 1/38** (2013.01); **H01Q 9/065** (2013.01)

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