

Title (en)  
Coil Antenna

Title (de)  
Spulenantenne

Title (fr)  
Antenne bobinée

Publication  
**EP 1592085 A1 20051102 (EN)**

Application  
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Abstract (en)  
A coil antenna is disclosed comprising a magnetic core and a wire wound around the magnetic core. The magnetic core is made of a mixture comprising soft magnetic powder and an organic binder agent. The magnetic core has a specific complex permeability whose real part  $\mu'$  is 20 or more over a frequency range of 10 MHz or less and whose imaginary part  $\mu''$  is 10 or more over a frequency range of 10MHz or more so that the magnetic core is also servable as a noise suppressor against high-frequency noise.

IPC 1-7  
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IPC 8 full level  
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CPC (source: EP)  
**H01Q 1/273** (2013.01); **H01Q 7/08** (2013.01)

Citation (search report)  
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