

Title (en)
Wire wound choke coil

Title (de)
Drosselspule mit gewickeltem Draht

Title (fr)
Bobine d'arrêt munie d'enroulement à fil

Publication
EP 1732089 A1 20061213 (EN)

Application
EP 05012257 A 20050607

Priority
EP 05012257 A 20050607

Abstract (en)
A wire wound choke coil uses a metallic conductor to form a coil, the surface of the conductor is pre-plated with metallic material such as gold, silver, nickel, tin or others before covered with an insulation film on it so as to form a plated conductor enclosed with an insulated film. After forming a coil, its two terminals (electrodes) can be directly soldered to a circuit board without extra treatment after stripping off the outer film. The coil leads at two terminals are left a length slightly less than one turn so as to save the time for stripping longer insulation. After that a core with two chamfered or filleted ends, and whose outer diameter being slightly larger than the inner diameter of the coil is inserted longitudinally into the hollow cavity of the coil. By so, the core can be forcibly embraced by the resiliency of the coil without worry of parting accidentally. Besides, both end surfaces of the core are plated so that it can be easily soldered onto the circuit board.

IPC 8 full level
H01F 17/04 (2006.01)

CPC (source: EP)
H01F 17/045 (2013.01); **H01F 27/292** (2013.01); **H01F 27/306** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
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